

April 26, 1996

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Joseph J. Nowak
New Jersey Department of Environmental Protection
Bureau of Environmental Evaluation and Cleanup Responsibility Assessment
401 East State Street
Trenton, NJ 08625

SUBJ: Hexcel Corporation
Lodi Borough, Bergen County, New Jersey
ISRA Case No. 86009
GEO Project No. 94039 Task 1

Dear Mr. Nowak:

On behalf of Hexcel Corporation (Hexcel), the following is the progress report of activities carried out during January, February and March of 1996. This quarterly report is prepared in accordance with the Industrial Site Recovery Act (ISRA) requirements for the former Hexcel facility in Lodi, New Jersey.

The following topics are discussed in this progress report:

- I. Ground Water/DNAPL/LNAPL Monitoring
  - a) Quarterly Monitoring
  - b) Monthly Monitoring
  - c) Well Closure
- II. Product Recovery Program
  - a) DNAPL Recovery
  - b) LNAPL Recovery

#### III. Ground Water Treatment System

- a) Sewer Connection
- b) Permits
- c) Evaluation and Testing of Ground Water Recovery System
- d) Treatment of Basement Seepage Water
- IV. Off-Site Investigation
- V. Waste Disposal Documentation
- VI. Schedule and Cost Estimates



#### 6. Ground Water/DNAPL/LNAPL Monitoring

This section includes the results of quarterly monitoring performed in January 1996, and monthly monitoring performed in February and March 1996. Modifications to the New Jersey Department of Environmental Protection (NJDEP) approved "Groundwater/DNAPL/LNAPL Monitoring Plan" prepared by Killam Associates had been presented in our progress report dated October 24, 1994. The modifications were approved by the NJDEP in its June 12, 1995 letter. Sections 1a and 1b provide details for quarterly and monthly monitoring, respectively. Section 1c addresses closure of two shallow wells on-site.

#### 1a. Quarterly Monitoring

Hexcel conducted quarterly ground water elevation, DNAPL and LNAPL monitoring on January 23, 1996 in accordance with the monitoring plans. Results of monitoring are tabulated in Table 1. Figures A-1 and A-2 illustrate shallow and deep ground water elevation contours respectively. Contour Map Reporting Forms are enclosed for each of the contour maps. Table 2 contains a summary of well construction data to accompany the Contour Map Reporting Form for Figure A-1. Figures A-1 and A-2, Tables 1 and 2, and the reporting forms are located in Appendix A.

Out of the 52 shallow wells which are part of the quarterly monitoring program, seven flush-mounted wells (RW7-9, CW-4, 7, 8, 10 and MW-23 and 30) were inaccessible due to snow-cover and one stick-up well (MW-32) was damaged during snow-plowing operations.

Recent subsurface investigation and review of the boring logs prepared by previous consultants for Hexcel indicate that two deep wells, MW-1 and MW-26, are not screened in the lower aquifer and should not be considered as deep wells. We have excluded the ground water elevation data from these wells in generating both the shallow and deep ground water contours. Below we provide the reasoning behind our conclusions regarding both these wells:

MW-1: A boring to a depth of 20 feet was completed in the vicinity of MW-1 in December 1995 for better understanding of the subsurface in order to achieve hydraulic control of the site. The log for this boring and MW-1 are provided in Appendix B. Review of the boring logs for MW-1 and the recent boring indicate that the silt layer at approximately 10 feet depth was erroneously characterized as "clay" by a previous consultant for Hexcel. According to the MW-1 log, a clay layer was observed at 20 feet depth and MW-1 was completed above this clay layer. This layer is the confining unit at the site which separates the upper aquifer from the lower aquifer. MW-1 should not be considered a deep well because it is screened above the confining layer and is not monitoring the lower aquifer.

We have not included the ground water elevation data from MW-1 for generating shallow aquifer contours because it is not evident that MW-1 is monitoring the same formation as the other shallow wells. The silt layer present in that area at approximately 10 feet depth may be causing semi-confined conditions. The extent of this silt layer is not known. We believe it is prudent to exclude MW-1 from the shallow aquifer contours due to the above-mentioned uncertainty and the fact that there are shallow wells very near to MW-1 which are monitored for ground water elevation.

Hexcel will investigate the deep aquifer in the vicinity of MW-1 after hydraulic control has been achieved. Deep aquifer investigation instead of bedrock investigation will be conducted near MW-1. We have revised the schedule (Appendix G) to reflect this change.

MW-26: MW-26 was installed in Building 2 as a deep well but a review of the boring log (Appendix B) reveals that MW-26 is screened in silty sand with a 2-foot screen just below a concrete slab. MW-26 is 19 feet deep and no confining layer was encountered throughout the boring. Additionally, comparison of ground water elevation data for the October and January rounds for the deep wells indicated that water elevations for all the deep wells were approximately 1.5 feet higher in January than in October; the water elevation for MW-26, on the other hand, was lower in January than in October. This is evidence that MW-26 is not monitoring the same aquifer as the deep wells. Additionally, the ground water elevation for MW-26 is approximately 5 feet lower than the shallow wells close to it. Due to this apparent anomaly, we have excluded MW-26 from shallow aquifer contours.

#### 1b. Monthly Monitoring

On February 21 and March 14, Hexcel conducted monthly DNAPL and LNAPL monitoring in accordance with the monitoring plans and modifications approved by the NJDEP in its June 12, 1995 letter. Additionally, the following modifications were made to the monthly monitoring plan this quarter:

MW-17, MW-26 and RW15-1: These wells will be moved from the monthly
monitoring program to the quarterly monitoring program because three
consecutive rounds of monitoring (January, February and March 1995) have not
indicated presence of product in these wells. Hexcel will continue to monitor these
wells quarterly.

Results for February and March monthly monitoring are provided in Tables 3 and 4 located in Appendix C.

Hexcel will continue to modify the monthly monitoring by the addition or deletion of wells in accordance with the approved plan.



#### 1c. Well Closure

Two shallow wells were sealed on March 29, 1996. MW-32 was damaged in the second week of January during snow plowing operations at the site. Hexcel secured the well the same week, immediately after receiving notification that the well had been damaged, to prevent surface infiltration into the well. The well was secured by pouring bentonite grout on the ground surface surrounding the well with the well cap on and inverting a bucket into the grout over the well, effectively sealing the well against surface The second well closed was P-2. At the time of February monthly monitoring, the interface probe became stuck in the two feet of silt at the bottom of this piezometer. The piezometer was damaged when an effort was made to get the interface probe out. Both the wells were sealed by a licensed well driller in accordance with the applicable regulations. The wells were tremie-grouted with portland cement. Hexcel observed the well closure procedures to ensure that the wells were sealed from the bottom up. The well abandonment report for MW-32 is provided in Appendix D. Due to the unavailability of the original well permit number for P-2, the driller applied for a new well permit. The well abandonment report for P-2 will be finalized after the permit number is issued. We will submit the well abandonment report for P-2 with the next progress report.

Hexcel does not plan replacement of MW-32 and P-2. Comparison of October 1995 contours (which included data from MW-32) with January 1996 contours (data collected after MW-32 was damaged) indicates that ground water elevation data from MW-32 is not critical. Additionally, no product has ever been detected in MW-32. Three shallow wells, MW-4, MW-27 and MW-21, which are 50 to 60 feet from MW-32 will allow us to monitor ground water conditions in this area. Replacement of P-2 is also not needed. P-2 was in the boiler room which has three shallow wells within 30 feet of P-2. We believe it is reasonable not to replace the above two wells due to the 57 other shallow wells (excluding the recovery wells) present at the site.

#### 2. Product Recovery Program

This section includes results for the temporary product recovery program currently being implemented at the site. This product recovery program, consisting of manually recovering product from affected wells on a weekly basis, was initiated on October 20, 1994. After one month, the program's frequency was reduced to twice a month due to a reduction in the quantity of product recovered. Product recovery continued at the rate of at least twice a month through the week of June 19, 1995. In accordance with the NJDEP's June 12, 1995 letter, weekly product recovery was resumed the week of June 26, 1995.

In the third week of September 1995, Hexcel modified the weekly product recovery program by revising the criteria for inclusion of wells in the program. The modifications were communicated to the NJDEP in our letter dated September 21, 1995 and also in the October 1995 progress report. According to the modifications, any well

which has no measurable recovery for three consecutive weekly recovery rounds will be moved to monthly monitoring and recovery. For the purposes of product collection, quantities greater than 0.1 gallon (approximately 1 cup) are considered to be measurable.

In the first quarter of 1996, product recovery was performed every week except for the second week of January and the first week of March due to inclement weather. Product recovery was not performed during the second week of January because there was a heavy snow, which resulted in approximately two feet of snow cover on the wells. Hexcel was not able to perform product recovery in the first week of March due to snowfall and sleet during that week.

#### 2a. DNAPL Recovery

During the first quarter of 1996, DNAPL was recovered once from MW-6 and more consistently from PB-2. DNAPL recovery during the first quarter of 1996 is summarized in Table 5, located in Appendix E.

#### 2b. LNAPL Recovery

During the first quarter of 1996, recoverable quantities of LNAPL were not detected in any of the wells on-site. Results for LNAPL recovery are summarized in Table 6 located in Appendix E.

#### 3. Ground Water Treatment System

This section includes documentation of Hexcel's efforts regarding evaluation and operation of the existing ground water treatment system. The following subsections provide the details.

#### 3a. Sewer Connection

Hexcel's sewer connection has been completed. The piping was installed December 4 to 6, 1995. The pump, and related equipment, was installed January 16-17; 1996. On February 23, 1996, the Passaic Valley Sewerage Commissioners (PVSC) performed their site inspection of the equipment and sewer line. Arrangements with the PVSC to discharge to the sewer are discussed below in Section 3b.

#### 3b. Permits

#### PVSC permit to discharge to sewer system.

The following took place during the first quarter of 1996:

• January 16 to January 17, 1996 - The pump from the treatment system to the sewer line and related equipment were installed.



- February 7, 1996 Influent and effluent testing results were submitted to the PVSC in response to their request.
- February 23, 1996 The PVSC performed a site inspection and allowed a one-time discharge of approximately 2,400 gallons of treated ground water to the sewer. The flow meter and charge recorder equipment were calibrated during this one-time discharge.
- March 6, 1996 Additional recent influent testing results were submitted to the PVSC at their request.
- April 4, 1996 GEO Engineering met with the PVSC on behalf of Hexcel.
- April 1, 1996. Approximately 4,000 gallons of treated ground water were discharged to the sewer following authorization from the PVSC for a one-time discharge.

Hexcel is now awaiting a permit from the PVSC to discharge treated ground water into the sewer line. The PVSC anticipates that the permit will be finalized in May or June. In the interim, the PVSC has agreed to issue one-time discharge authorizations as needed.

#### Air permit for pilot test for recovery system.

Hexcel submitted an application on April 2, 1996 for a revised permit to perform a pilot test of the existing system at the advice of the NJDEP's Bureau of New Source Review. We are awaiting approval of this application, which will provide Hexcel with a temporary pilot test permit.

#### 3c. Evaluation and Testing of Ground Water Recovery System

Evaluation and testing of the recovery system are planned following permit approvals, in order to optimize the system for hydraulic control. The schedule provided in Table 7 (Appendix G) of this progress report includes current estimates for the testing of the system, modifications to the design of the system and reporting the design proposal to the NJDEP.

#### 3d. Treatment of Basement Seepage Water

Basement seepage water continues to be treated on-site. In the first quarter of 1996, the treated water was disposed of two times at DuPont Chambers Works facility, Deepwater, New Jersey and once to the PVSC treatment works. Upon authorization from the PVSC, Hexcel will be able to discharge treated ground water into the sewer line. Disposal documentation is attached as Appendix F.



#### 4. Off-Site Investigation

As requested in the NJDEP's June 12, 1995 letter, Hexcel still plans to explore the possibility of obtaining additional monitor well data from the Napp property. Hexcel is awaiting information on Napp's plans for investigation and cleanup and then will seek access to the data from any monitor wells that are installed during Napp's cleanup program.

#### 5. Waste Disposal Documentation

Enclosed as Appendix F are manifests and a summary table for waste disposal during January, February and March 1996.

#### 6. Schedule and Cost Estimates

Table 7 located in Appendix G presents an updated estimate of the schedule of remaining remedial activities. There has been no change to date in the estimate of cleanup costs.

We will continue to submit quarterly progress reports according to the schedule. Please call us if you have any questions regarding the above.

Sincerely,

GEO ENGINEERING, INC.

Marjorie A. Piette Project Manager

MAP/III Enclosures

cc:

A. William Nosil Lisa Bromberg, Esq. James Higdon



TABLE 1: SUMMARY OF QUARTERLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENT

Former Hexcel Facility

Lodi, New Jersey

-All measurements in feet -All elevations in feet (NGVD)-

GEO Engineering

April 1996

File: 94039/wldata/Quartrly.xls Entered by: SG Checked by: RMS

| Well ID    | Туре    | Depth to Water |   | Product<br>LNAPL                        | Product<br>Thickness | Depth to<br>Bottom | Elevation<br>Top of<br>Casing | Water<br>Elevation | Туре  | Casing     | ion (all 4" diameter unless otherwise noted)  Comments |
|------------|---------|----------------|---|---|----------------------|--------------------|-------------------------------|--------------------|-------|------------|--|
| RW Series: |         | :              |   |   |                      |                    |                               |                    |       |            |  |
| RW1-1      | shallow | 4.79           |   |   |                      | 14.26              | 28.24                         | 23.45              | flush | s.steel    |  |
| RW6-1      | shallow | 3.49           |   |   |                      | 13.72              | 28.84                         | 25.35              | flush | s.steel    | Product on probe (DNAPL)                               |
| RW6-2      | shallow | 3.71           |   |   |                      | 14.77              | 29.34                         | 25.63              | flush | s.steel    |  |
| RW6-3      | shallow | 3.85           | *************************************** | *************************************** |                      | 5.44               | 28.72                         | 24.87              | flush | s.steel    | Brown liquid in annular space                          |
| RW7-1      | shallow | 5.21           |   |   |                      | 16.64              | 26.25                         | 21.04              | flush | s.steel    |  |
| RW7-2      | shallow | 5.61           |   |   |                      | 16.81              | 26.48                         | 20.87              | flush | s.steel    |  |
| RW7-3      | shallow | 5.73           |   |   |                      | 17.26              | 26.78                         | 21.05              | flush | s.steel    |  |
| RW7-4      | shallow | 6.07           |   |   |                      | 19.09              | 27.11                         | 21.04              | flush | s.steel    |  |
| RW7-5      | shallow | 6.61           |   |   |                      | 19.13              | 27.57                         | 20.96              | flush | s.steel    | Manhole cap broken and inner rim cracked               |
| RW7-6      | shallow | 6.13           |   |   |                      | 14.98              | 26.48                         | 20.35              | flush | s.steel    |  |
| RW7-7      | shallow | 6.08           |   |   |                      | 14.87              | 26.89                         | 20.81              | flush | s.steel    |  |
| RW7-8      | shallow | 4.76           |   |   |                      | 14.97              | 25.90                         | 21.14              | flush | s.steel    |  |
| RW7-9      | shallow | N/A            |   |   |                      | N/A                | 26.87                         | N/A                | flush | s.steel    | Snow-covered; no access                                |
| RW7-10     | shallow | 6.17           |   |   |                      | 14.15              | 26.10                         | 19.93              | flush | s.steel    |  |
| RW15-1     | shallow | 6.08           |   |   |                      | 14.90              | 29.95                         | 23.87              | flush | s.steel    |  |
| RW15-2     | shallow |                |   |   |                      |                    | 30.15                         |                    | flush | s.steel    | Well not included in quarterly monitoring plan         |
| Series:    |         |                |   |   |                      |                    |                               |                    |       |            |  |
| P-1        | shallow | 6.08           |   |   |                      | 9.80               | 30.09                         | 24.01              | flush | 1.5" pvc   |  |
| P-2        | shallow | 6.71           |   |   |                      | 12.07              | 30.19                         | 23.48              | flush | 1.5" pvc   |  |
| I Series:  |         |                |   |   |                      |                    |                               |                    |       |            |  |
| PI-1       | deep    |                |   |   | <u> </u>             |                    | 26,90                         |                    | flush | 8" s.steel | Well not included in quarterly monitoring plan         |

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Former Hexcel Facility

Lodi, New Jersey

-All measurements in feet -All elevations in feet (NGVD)-

GEO Engineering

April 1996

File: 94039/wldata/Quartrly.xls

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| Well ID    | Туре    | Depth to                                | <b></b> | Product | Product   | -         | Elevation        |           | ****************** |         | ion (all 4" diameter unless otherwise noted)   |
|------------|---------|---|---------|---------|-----------|-----------|------------------|-----------|--------------------|---------|--|
|            |         | Water                                   | DNAPL   | LNAPL   | Thickness | Bottom    | Top of<br>Casing | Elevation | Туре               | Casing  | Comments                                       |
| CW Series: |         |   |         |         |           |           |                  |           |                    |         |  |
| CW-1       | shallow | 6.41                                    |         |         | ~-        | 11.45     | 29.77            | 23.36     | flush              | s.steel |  |
| CW-2       | shallow | *************************************** |         |         |           | ••••••••• | 29.51            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-3       | recov.  | *************************************** | •       | ••••••  |           |           | 29.72            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-4       | shallow | N/A                                     |         |         | ~-        | N/A       | 28.83            | N/A       | flush              | s.steel | Snow-covered; no access                        |
| CW-5       | recov.  | •                                       |         |         |           |           | 28,67            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-6       | shallow | •••••                                   |         |         |           |           | 28.93            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-7       | shallow | N/A                                     |         |         |           | N/A       | 26.13            | N/A       | flush              | s.steel | Snow-covered; no access                        |
| CW-8       | shallow | N/A                                     |         |         |           | N/A       | 26,77            | N/A       | flush              | s.steel | Snow-covered; no access                        |
| CW-9       | recov.  |   |         |         |           |           | 26.37            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-10      | shallow | N/A                                     |         |         | ~-        | N/A       | 25.91            | N/A       | flush              | s.steel | Snow-covered; no access                        |
| CW-11      | recov.  |   |         | •••••   |           |           | 25.74            |           | vaultbox           | s.steel | Well not included in quarterly monitoring plan |
| CW-12      | shallow | 6.31                                    |         |         |           | 13.96     | 25.71            | 19.40     | flush              | s.steel | Product on probe ( DNAPL)                      |
| CW-13      | shallow |   |         |         |           |           | 26.05            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-14      | shallow | 7.16                                    |         |         |           | 13.88     | 26.37            | 19.21     | flush              | s.steel |  |
| CW-15      | recov.  |   |         |         |           |           | 26.31            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-16      | shallow | 6.79                                    |         |         | ~-        | 13.91     | 26.45            | 19.66     | flush              | s.steel | Product on probe (DNAPL)                       |
| CW-17      | shallow | 6.09                                    |         |         |           | 13.92     | 26.25            | 20.16     | flush              | s.steel |  |
| CW-18      | recov.  |   |         |         |           |           | 26.61            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-19      | shallow |   |         |         |           |           | 26.50            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-20      | shallow |   |         |         |           |           | 26.74            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-21      | recov.  |   |         |         |           |           | 26,77            |           | flush              | s.steel | Well not included in quarterly monitoring plan |
| CW-22      | shallow |   |         |         |           |           | 26.35            |           | flush              | s.steel | Well not included in quarterly monitoring plan |

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Former Hexcel Facility

Lodi, New Jersey

-All measurements in feet -All elevations in feet (NGVD)-

GEO Engineering

April 1996

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| Well ID |         | Type    | Depth to |       | Depth to Product |           | •      | Elevation        |           | Well    | Construct | tion (all 4" diameter unless otherwise noted) |
|---------|---------|---------|----------|-------|------------------|-----------|--------|------------------|-----------|---------|-----------|---|
| -       |         |         | Water    | DNAPL | LNAPL            | Thickness | Bottom | Top of<br>Casing | Elevation | Туре    | Casing    | Comments                                      |
| N S     | Series: |         |          |       |                  |           |        |                  |           |         |           |   |
| ļ       | MW-1    | (a)     | 9.40     |       |                  |           | 23.51  | 32.42            | 23.02     | stickup | pvc       |   |
| -       | MW-2    | shallow | 7.32     |       |                  |           | 10.25  | 31.00            | 23.68     | stickup | pvc       |   |
| -       | MW-3    | deep    | 9.57     |       |                  |           | 30.75  | 31.13            | 21.56     | stickup | pvc       |   |
| -       | MW-4    | shallow | 7.55     |       |                  |           | 9.89   | 32.33            | 24.78     | stickup | pvc       |   |
|         | MW-5    | deep    | 10.38    |       |                  |           | 28.32  | 32.54            | 22.16     | stickup | pvc       |   |
|         | MW-6    | shallow | 9.39     | 17.47 |                  | 0.85      | 18.32  | 30.74            | 21.35     | stickup | pvc       | Product on probe (DNAPL)                      |
|         | MW-7    | deep    | 8.84     |       |                  |           | 32.87  | 30.68            | 21.84     | stickup | pvc       |   |
|         | MW-8    | shallow | 10.97    |       |                  |           | 17.31  | 30.26            | 19.29     | stickup | pvc       |   |
| -       | MW-9    | deep    | 7.97     |       |                  |           | 29.54  | 29.83            | 21.86     | stickup | pvc       |   |
|         | MW-10   | shallow | 11.77    | ~-    |                  |           | 16.74  | 30.83            | 19.06     | stickup | pvc       |   |
| <u></u> | MW-11   | deep    | 9.16     |       |                  |           | 33.46  | 30.78            | 21.62     | stickup | pvc       |   |
| -       | MW-12   | shallow | 9.66     |       |                  |           | 17.19  | 31.01            | 21.35     | stickup | pvc       |   |
|         | MW-13   | deep    | 8.97     |       |                  |           | 32.91  | 31.16            | 22.19     | stickup | pvc       |   |
| -       | MW-14   | shallow | 10.51    |       |                  |           | 15.59  | 30.70            | 20.19     | stickup | pvc       |   |
| <u></u> | MW-15   | deep    | 8.13     |       |                  |           | 25.60  | 30.77            | 22.64     | stickup | pvc       |   |
|         | MW-16   | shallow | 5.90     |       |                  |           | 12.55  | 29.69            | 23.79     | stickup | pvc       |   |
|         | MW-17   | shallow | 8.24     |       |                  |           | 14.08  | 31.44            | 23.20     | stickup | pvc       |   |
| -       | MW-18   | shallow | 8.24     |       |                  |           | 11.34  | 32.23            | 23.99     | stickup | pvc       |   |
|         | MW-19   | deep    | 5.42     |       |                  |           | 26.58  | 29.08            | 23.66     | stickup | pvc       |   |
|         | MW-20   | shallow | 4.89     |       |                  |           | 20.06  | 27.95            | 23.06     | flush   | pvc       |   |
| [       | MW-21   | shallow | 7.90     |       |                  |           | 15.10  | 30.67            | 22.77     | stickup | pvc       |   |
|         | MW-22   | shallow | 5.05     |       |                  |           | 8.20   | 28.45            | 23.40     | flush   | pvc       |   |
|         | MW-23   | shallow | N/A      |       |                  |           | N/A    | 27.51            | N/A       | flush   | pvc       | Snow-covered; no access                       |
| -       | MW-24   | shallow | 3.01     |       |                  |           | 9.50   | 26.51            | 23.50     | flush   | pvc       |   |
|         | MW-25   | shallow | 5.76     |       |                  |           | 12.72  | 26.03            | 20.27     | flush   | pvc       | Yellow liquid on the inside of PVC Casing     |

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Former Hexcel Facility

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-All measurements in feet -All elevations in feet (NGVD)-

GEO Engineering

April 1996

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| Well ID    | Туре    | Depth to | Depth to | Product |                | Depth to | Elevation |           | ****************** | 2          | ion (all 4" diameter unless otherwise noted)                              |
|------------|---------|----------|----------|---------|----------------|----------|-----------|-----------|--------------------|------------|---|
|            |         | Water    | DNAPL    | LNAPL   | Thickness      | Bottom   | , - ,     | Elevation | Type               | Casing     | Comments  |
|            |         |          |          |         |                |          | Casing    |           |                    |            |   |
| IW Series: | :       |          |          |         |                |          |           |           |                    |            |   |
| MW-26      | (b)     | 8.35     |          |         |                | 17.91    | 28.85     | 20.50     | flush              | 2" pvc     |   |
| MW-27      | shallow | 6.55     |          |         |                | 12.51    | 31.43     | 24.88     | stickup            | pvc        |   |
| MW-28      | shallow | 9.61     |          |         | <del>-</del> - | 14.97    | 29.68     | 20.07     | stickup            | pvc        |   |
| MW-29      | shallow | 3.59     |          |         |                | 9.36     | 27.32     | 23.73     | flush              | pvc        |   |
| MW-30      | shallow | N/A      |          |         |                | N/A      | 28.08     | N/A       | flush              | pvc        | Snow-covered; no access   |
| MW-31      | shallow | 4.29     |          |         |                | 10.61    | 27.95     | 23.66     | flush              | pvc        |   |
| MW-32      | shallow |          |          |         |                |          | 32.51     | D         | stickup            | pvc        | Well damaged during snow-plowing operation in the second week of January. |
| MW-33      | shallow | 9.08     |          |         |                | 16.93    | 31.72     | 22.64     | stickup            | pvc        |   |
| B Series:  |         |          |          |         |                | ;        |           |           |                    |            |   |
| PB-1       | shallow | 3.06     |          |         |                | 5.54     | 21.78     | 18.72     | stickup            | 2" g.steel |   |
| PB-2       | shallow | 2.07     | 5.51     |         | 0.31           | 5.82     | 21.25     | 19.18     |                    |            | Product on probe (DNAPL)  |
| PB-4       | shallow | 2.16     |          |         |                | 5.70     | 21.52     | 19.36     |                    | 2" g.steel |   |

NOTES: All Measurements of depths are from the top of casing unless otherwise noted.

-- : Not detected by product interface meter.

N/A: Well not accessible due to snow cover.

(a) : Ground water elevation data from MW-1 has been excluded from both shallow and deep aquifer contours; refer to Section 1a of the April 1996 Progress Report for details.

(b) : Ground water elevation data from MW-26 has been excluded from both shallow and deep aquifer contours; refer to Section 1a of the April 1996 Progress Report for details.

D: Well was damaged during snow-plowing operation.

Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

Former Hexcel Facility

Lodi, New Jersey

-All measurements in feet -

-All elevations in feet (NGVD)-

GEO Engineering

April 1996

File: 94039/wldata/wellscrn.xls

Entered by: SG; Check: SKT

| Well ID    | Туре   | Ground    | Elevation        | Depth to         | Length<br>of | Elevation        | Water<br>Elevation |       | Vell<br>ruction * | Insta | allation | Water Table Elv        |
|------------|--------|-----------|------------------|------------------|--------------|------------------|--------------------|-------|-------------------|-------|----------|------------------------|
|            |        | Elevation | Top of<br>Casing | Bottom (1/23/96) | Screen       | Top of<br>Screen | (1/23/96)          | Type  | Casing            | Date  | By       | > Top of Scree<br>Elv. |
|            |        |           | Casing           | (1/23/90)        | Screen       | Sciecii          | (1723790)          | Type  | Casing            | Date  | Бу       | EIV.                   |
| RW Series: |        |           |                  |                  |              |                  |                    | İ     |                   |       |          |                        |
| RW1-1      | shall. | 28.67     | 28.24            | 14.26            | 10           | 23.67            | 23.45              | flush | s.steel           | 10/91 | Heritage | No                     |
| RW6-1      | shall. | 29.28     | 28.84            | 13.72            | 5            | 20.28            | 25.35              | flush | s.steel           | 8/90  | Heritage | Yes                    |
| RW6-2      | shall. | U         | 29.34            | 14.77            | 5            | U                | 25.63              | flush | s.steel           | 8/90  | Heritage | U                      |
| RW6-3      | shall. | 29.02     | 28.72            | 5.44             | 5            | 27.52            | 24.87              | flush | s.steel           | 8/90  | Heritage | No                     |
| RW7-1      | shall. | 26.94     | 26.25            | 16.64            | 5            | 13.94            | 21.04              | flush | s.steel           | 8/90  | Heritage | Yes                    |
| RW7-2      | shall. | 27.07     | 26.48            | 16.81            | 5            | 14.57            | 20.87              | flush | s.steel           | 8/90  | Heritage | Yes                    |
| RW7-3      | shall. | 27.17     | 26.78            | 17.26            | 5            | 14.67            | 21.05              | flush | s.steel           | 8/90  | Heritage | Yes                    |
| RW7-4      | shall. | 27.60     | 27.11            | 19.09            | 5            | 13.60            | 21.04              | flush | s.steel           | 8/90  | Heritage | Yes                    |
| RW7-5      | shall. | 27.97     | 27.57            | 19.13            | 5            | 12.97            | 20.96              | flush | s.steel           | 9/90  | Heritage | Yes                    |
| RW7-6      | shall. | 27.10     | 26.48            | 14.98            | 5            | 17.10            | 20.35              | flush | s.steel           | 9/90  | Heritage | Yes                    |
| RW7-7      | shall. | 27.25     | 26.89            | 14.87            | 5            | 17.25            | 20.81              | flush | s.steel           | 9/90  | Heritage | Yes                    |
| RW7-8      | shall. | 26.71     | 25,90            | 14.97            | 5            | 16.71            | 21.14              | flush | s.steel           | 9/90  | Heritage | Yes                    |
| RW7-9      | shall. | 27.18     | 26.87            | N/A              | 5            | 15.18            | N/A                | flush | s.steel           | 2/91  | Heritage | N/A                    |
| RW7-10     | shall. | 26.50     | 26.10            | 14.15            | 5            | 16.50            | 19.93              | flush | s.steel           | 2/91  | Heritage | Yes                    |
| RW15-1     | shall. | 30.43     | 29,95            | 14.90            | 10           | 25.68            | 23.87              | flush | s.steel           | 8/90  | Heritage | No                     |
| RW15-2     | shall. | 30.37     | 30,15            |                  | 10           | 26.37            | NI                 | flush | s.steel           | 8/90  | Heritage | NI                     |
| P Series:  |        |           |                  |                  |              |                  |                    |       |                   |       |          |                        |
| P-1        | shall. | Ŭ         | 30.09            | 9.80             | U            | U                | 24.01              | flush | 1.5" pvc          | U     | U        | U, WA                  |
| P-2        | shall. | U         | 30.19            | 12.07            | U            | U                | 23.48              | flush | 1.5" pvc          | U     | U        | U                      |
| PI Series: |        |           |                  |                  |              |                  |                    |       |                   |       |          |                        |
| PI-1       | deep   | U         | 26.90            | ••••••••••••     | U            | U                | NI                 | flush | s.steel           | 10/91 | Heritage | ^                      |

TABLE 2: SUMMARY OF WELL CONSTRUCTION DATA

Former Hexcel Facility

Lodi, New Jersey

-All measurements in feet -

-All elevations in feet (NGVD)-

GEO Engineering

April 1996

File: 94039/wldata/wellscrn.xls

Entered by : SG; Check: SKT

| Well ID    | Туре        | Ground    | Elevation | Depth to                                | Length | Elevation | Water     |          | ell      | Insta | ıllation | Water Table Elv |
|------------|-------------|-----------|-----------|---|--------|-----------|-----------|----------|----------|-------|----------|-----------------|
|            |             | Elevation | Top of    | Bottom                                  | of     | Top of    | Elevation |          | uction * |       | ·····    | > Top of Scree  |
|            | <del></del> |           | Casing    | (1/23/96)                               | Screen | Screen    | (1/23/96) | Туре     | Casing   | Date  | Ву       | Elv.            |
| CW Series: |             |           |           |   |        |           |           |          |          | :     |          |                 |
| CW-1       | shall.      | 30.27     | 29.77     | 11.45                                   | 5      | 23.27     | 23.36     | flush    | s.steel  | 9/90  | Heritage | Yes             |
| CW-2       | shall.      | 30.11     | 29.51     | *************************************** | 5      | 23.11     | NI        | flush    | s.steel  | 9/90  | Heritage | NI              |
| CW-3       | recov.      | U         | 29.72     | *************************************** | 5      | U         | NI        | flush    | s.steel  | 9/90  | Heritage | NI              |
| CW-4       | shall.      | 29.10     | 29.00     | N/A                                     | 5      | 22.60     | N/A       | flush    | s.steel  | 7/90  | Heritage | N/A             |
| CW-5       | recov.      | 28.89     | 28.67     |   | 5      | 22.39     | NI        | flush    | s.steel  | 7/90  | Heritage | NI              |
| CW-6       | shall.      | 29.25     | 28.93     | •••••                                   | 5      | 25.25     | NI        | flush    | s.steel  | 9/90  | Heritage | NI              |
| CW-7       | shall.      | 26.70     | 26.13     | N/A                                     | 5      | 17.70     | N/A       | flush    | s.steel  | 8/90  | Heritage | N/A             |
| CW-8       | shall.      | 26.70     | 26.77     | N/A                                     | 5      | 17.70     | N/A       | flush    | s.steel  | 8/90  | Heritage | N/A             |
| CW-9       | recov.      | 26.60     | 26,37     | ***,*********************************** | 5      | 17.60     | NI        | flush    | s.steel  | 8/90  | Heritage | NI              |
| CW-10      | shall.      | 26.50     | 25.91     | N/A                                     | 5      | 17.50     | N/A       | flush    | s.steel  | 8/90  | Heritage | N/A             |
| CW-11      | recov.      | 26.60     | 25.74     | ••••••                                  | 5      | 17.60     | NI        | vaultbox | s.steel  | 8/90  | Heritage | NI              |
| CW-12      | shall.      | 26.51     | 25.71     | 13.96                                   | 5      | 17.51     | 19.40     | flush    | s.steel  | 8/90  | Heritage | Yes             |
| CW-13      | shall.      | 26.60     | 26.05     |   | 5      | 17.60     | NI        | flush    | s.steel  | 8/90  | Heritage | NI              |
| CW-14      | shall.      | 26.70     | 26.37     | 13.88                                   | 5      | 17.70     | 19.21     | flush    | s.steel  | 8/90  | Heritage | Yes             |
| CW-15      | recov.      | 26.90     | 26,31     |   | 5      | 17.90     | NI        | flush    | s.steel  | 8/90  | Heritage | NI              |
| CW-16      | shall.      | 27.00     | 26.45     | 13.91                                   | 5      | 18.00     | 19.66     | flush    | s.steel  | 8/90  | Heritage | Yes             |
| CW-17      | shall.      | 27.10     | 26.25     | 13.92                                   | 5      | 18.10     | 20.16     | flush    | s.steel  | 8/90  | Heritage | Yes             |
| CW-18      | recov.      | 27.20     | 26.61     |   | 5      | 18.20     | NI        | flush    | s.steel  | 8/90  | Heritage | NI              |
| CW-19      | shall.      | 27.20     | 26.50     |   | 5      | 18.20     | NI        | flush    | s.steel  | 8/90  | Heritage | NI              |
| CW-20      | shall.      | 27.30     | 26.74     |   | 5      | 18.30     | NI        | flush    | s.steel  | 8/90  | Heritage | NI              |
| CW-21      | recov.      | 27.40     | 26.77     |   | 5      | 18.40     | NI        | flush    | s.steel  | 8/90  | Heritage | NI              |
| CW-22      | shall.      | 27.30     | 26.35     | ••••••••                                | 5      | 18.30     | NI        | flush    | s.steel  | 8/90  | Heritage | NI              |

TABLE 2: SUMMARY OF WELL CONSTRUCTION DATA

Former Hexcel Facility

Lodi, New Jersey

-All measurements in feet -

-All elevations in feet (NGVD)-

GEO Engineering

April 1996

File: 94039/wldata/wellscrn.xls

Entered by: SG; Check: SKT

| Well ID    | Туре   | Ground    | Elevation | Depth to  | Length | Elevation | Water     |         | /ell     | Insta   | illation | Water Table Elv |
|------------|--------|-----------|-----------|-----------|--------|-----------|-----------|---------|----------|---------|----------|-----------------|
|            | [      | Elevation | Top of    | Bottom    | of     | Top of    | Elevation | Constr  | uction * |         | .,       | > Top of Scree  |
|            |        |           | Casing    | (1/23/96) | Screen | Screen    | (1/23/96) | Type    | Casing   | Date    | Ву       | Elv.            |
| AW Series: | }      |           |           |           |        |           |           |         |          |         |          |                 |
| MW-1       | (a)    | 29.03     | 32.42     | 23.51     | 5      | 13.88     | 23.02     | stickup | pvc      | 7/88    | Environ  | (a)             |
| MW-2       | shall. | 27.90     | 31.00     | 10.25     | 5      | 26.13     | 23.68     | stickup | pvc      | 8/88    | Environ  | No              |
| MW-3       | deep   | 27.84     | 31.13     | 30.75     | 5      | 5.30      | 21.56     | stickup | pvc      | 8/88    | Environ  | ^               |
| MW-4       | shall. | 29.02     | 32.33     | 9.89      | 5      | 27.49     | 24.78     | stickup | pvc      | 8/88    | Environ  | No              |
| MW-5       | deep   | 29.03     | 32.54     | 28.32     | 5      | 9.12      | 22.16     | stickup | рус      | 8/88    | Environ  | ^               |
| MW-6       | shall. | 27.14     | 30.74     | 18.32     | 10     | 22.12     | 21.35     | stickup | pvc      | 8/88    | Environ  | No              |
| MW-7       | deep   | 27.18     | 30.68     | 32.87     | 5      | 2.55      | 21.84     | stickup | pvc      | 7/88    | Environ  | ^               |
| MW-8       | shall. | 26.92     | 30.26     | 17.31     | 10     | 22.98     | 19.29     | stickup | pvc      | 8/88    | Environ  | No              |
| MW-9       | deep   | 26.89     | 29.83     | 29.54     | 5      | 5.09      | 21.86     | stickup | pvc      | 7/88    | Environ  | ^               |
| MW-10      | shall. | 27.33     | 30.83     | 16.74     | 11     | 24.81     | 19.06     | stickup | pvc      | 8/88    | Environ  | No              |
| MW-11      | deep   | 27.28     | 30.78     | 33.46     | 10     | 6.86      | 21.62     | stickup | pvc      | 7/88    | Environ  |                 |
| MW-12      | shall. | 27.62     | 31.01     | 17.19     | 10     | 24.05     | 21.35     | stickup | pvc      | 8/88    | Environ  | No              |
| MW-13      | deep   | 27.63     | 31.16     | 32.91     | 5      | 2.89      | 22.19     | stickup | pvc      | 7/88    | Environ  | ^               |
| MW-14      | shall. | 27.12     | 30.70     | 15.59     | 9      | 24.18     | 20.19     | stickup | pvc      | 8/88    | Environ  | No              |
| MW-15      | deep   | 27.17     | 30.77     | 25.60     | 5      | 10,13     | 22.64     | stickup | pvc      | 7/88    | Environ  | ^               |
| MW-16      | shall. | 26.71     | 29.69     | 12.55     | 5      | 22.14     | 23.79     | stickup | pvc      | 8/88    | Environ  | Yes             |
| MW-17      | shall. | 29.10     | 31.44     | 14.08     | 8      | 25.10     | 23.20     | stickup | pvc      | 1/89    | Environ  | No              |
| MW-18      | shall. | 29.04     | 32.23     | 11.34     | 5      | 25.97     | 23.99     | stickup | pvc      | 8/88    | Environ  | No              |
| MW-19      | deep   | 27.30     | 29.08     | 26.58     | 5      | 7.30      | 23.66     | stickup | pvc      | 1/89    | Environ  | ^               |
| MW-20      | shall. | 28.50     | 27.95     | 20.06     | 5      | 13.50     | 23.06     | flush   | pvc      | 11/90   | Heritage | Yes             |
| MW-21      | shall. | 28.80     | 30.67     | 15.10     | 10     | 25.80     | 22.77     | stickup | pvc      | 9/90    | Heritage | No              |
| MW-22      | shall. | 28.73     | 28.45     | 8.20      | 5      | 25.73     | 23.40     | flush   | pvc      | ******* | Heritage | No              |
| MW-23      | shall. | 27.83     | 27.51     | N/A       | 5      | 22.83     | N/A       | flush   | pvc      |         | Heritage | N/A             |
| MW-24      | shall. | 26.93     | 26.51     | 9.50      | 5      | 21.93     | 23.50     | flush   | pvc      |         | Heritage | Yes             |
| MW-25      | shall. | 26.47     | 26.03     | 12.72     | 10     | 23.47     | 20.27     | flush   | pvc      | 9/90    | Heritage | No              |

TABLE 2: SUMMARY OF WELL CONSTRUCTION DATA

Former Hexcel Facility

Lodi, New Jersey

-All measurements in feet -

-All elevations in feet (NGVD)-

GEO Engineering

**April 1996** 

File: 94039/wldata/wellscrn.xls Entered by: SG: Check: SKT

| ,    | Well ID | Туре    | Ground    | Elevation | Depth to  | Length | Elevation | Water     | W       | ell ell    | Insta | llation  | Water Table Elv. |
|------|---------|---------|-----------|-----------|-----------|--------|-----------|-----------|---------|------------|-------|----------|------------------|
|      |         |         | Elevation | Top of    | Bottom    | of     | Top of    | Elevation | Constr  | uction *   |       | ·····    | > Top of Screer  |
|      |         |         |           | Casing    | (1/23/96) | Screen | Screen    | (1/23/96) | Туре    | Casing     | Date  | Ву       | Elv.             |
| MW   | Series: |         |           |           |           |        |           |           |         |            |       |          |                  |
| ľ    | MW-26   | (b)     | 29.26     | 28.85     | 17.91     | 2      | 12.26     | 20.50     | flush   | 2" pvc     | 12/90 | Heritage | (b)              |
| Ī    | MW-27   | shall.  | 29.10     | 31.43     | 12.51     | 5      | 24.10     | 24.88     | stickup | pvc        | 9/90  | Heritage | Yes              |
| Ĩ    | MW-28   | shall.  | 27.50     | 29.68     | 14.97     | 10     | 24.50     | 20.07     | stickup | pvc        | 9/90  | Heritage | No               |
|      | MW-29   | shall.  | 27.50     | 27.32     | 9.36      | 5      | 22.50     | 23.73     | flush   | pvc        | 2/91  | Heritage | Yes              |
|      | MW-30   | shall.  | 28.25     | 28.08     | N/A       | 5      | 22.25     | N/A       | flush   | pvc        | 2/91  | Heritage | N/A              |
| :    | MW-31   | shall.  | 28.33     | 27.95     | 10.61     | 5      | 22.33     | 23.66     | flush   | pvc        | 2/91  | Heritage | Yes              |
|      | MW-32   | shall.  | U         | 32.51     |           | 6      | U         | D         | stickup | pvc        |       | Heritage |                  |
| Ĭ.   | MW-33   | shall.  | U         | 31.72     | 16.93     | 10     | U         | 22.64     | stickup | pvc        | 4/92  | Heritage | U                |
| PB S | eries:  |         |           |           |           |        |           |           |         |            |       |          |                  |
| ["   | PB-1    | shallow | 17.46     | 21.78     | 5.54      | 1      | 16.46     | 18.72     | stickup | 2" g.steel | 6/95  | GEO      | Yes              |
|      | PB-2    | shallow | 17.50     | 21.25     | 5.82      | 1      | 16.70     | 19.18     | stickup | 2" g.steel | 6/95  | GEO      | Yes              |
| ľ    | PB-4    | shallow | 17.52     | 21.52     | 5.70      | 1      | 16.72     | 19.36     | stickup | 2" g.steel | 6/95  | GEO      | Yes              |

NOTES:

Refer to "Table 2: Summary of Well Construction Data" provided in Appendix B of Progress Report dated July 31, 1995 for the list of sources used for compiling this table.

All Measurements of depths are from the top of casing unless otherwise noted.

- /A Well was inaccessible on the day of quarterly monitoring.
- NI: Well not included in the quarterly monitoring.
- U: Unknown.
- \*: All wells 4" diameter unless otherwise noted.
- D: Well was damaged during snow-plowing operation.
- ^: Well is screened in the confined aquifer, therefore, the question is not applicable.
- (a): Ground water elevation data from MW-1 has been excluded from both shallow and deep aquifer contours; refer to Section 1a of the April 1996 Report for details.
- (b): Ground water elevation data from MW-26 has been excluded from both shallow and deep aquifer contours; refer to Section 1a of the April 1996 Report for details.
- WA P-2 and MW-32 were sealed on March 29, 1996; refer to April 1996 Progress Report text for details.

## Contour Map Reporting Form

|    | ce Name: Former Hexcel Facility, Lodi, NJ oject No.: 94039   | Figure No.: A-1 Water levels taken on 1 Page 1 of 2 | /23/96              |
|----|--|---|---------------------|
| 1. | Did any surveyed well casing elevations change from the previous If yes, attach new "Well Certification -Form B" and identify the rechange (damage to casing, installation of recovery system in monitorial contents of the covery system in the covery s | eason for the elevation                             | □Yes<br><b>∡</b> No |
| 2. | Are there any monitor wells in unconfined aquifers in which the whigher than the top of the well screen?  If yes, identify these wells.  | rater table elevation is                            | <b>⊻</b> Yes<br>□No |
|    | Monitor wells for which the water table elevations are higher than are identified in Table 2: Summary of Well Construction Data pro  | 1 0   |                     |
| 3. | Are there any monitor wells present at the site but omitted from th Unless the omission of the well(s) has been previously approved by the omissions.  | <u>-</u>  | ⊈Yes<br>□No         |
|    | Quarterly ground water elevation monitoring plan approved by No letter. Some of the shallow wells were inaccessible due to snow-configure A-1 and Table 1.   |   |                     |
| 4. | Are there any monitor wells containing separate phase product duri   | ing this measuring event?                           | <b>⊈</b> Yes<br>□No |
|    | Were any of the monitor wells with separate phase product include contour map?   | ed in the ground water                              | ✓Yes                |
|    | If yes show the formula used to correct the water table elevation.   |   | □No                 |
|    | Separate phase product, where measurable, consists of DNAPL, n correction is required.   | ot LNAPL; therefore, no                             |                     |
| 5. | Has the ground water flow direction changed more than 45 degree ground water contour map?  If yes, discuss the reasons for the change.   | s from the previous                                 | □Yes<br><b>☑</b> No |
| 6. | Has ground water mounding and/or depressions been identified in contour map? Unless the ground water mounds and/or depressions are caused by remediation system, discuss the reasons for this occurrence.  | -   | <b>⊈</b> Yes<br>□No |
|    | It is not known why mounding occurs in the vicinity of huilding 2.   |   |                     |

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Project No.: 94039

Water levels taken on 1/23/96
Page 2 of 2

7. Are all the wells used in the contour map screened in the same water-bearing zone?

If no, justify inclusion of those wells.

No

Were the ground water contours

computer generated, □ computer aided, or □ hand-drawn?

If computer aided or generated, identify the interpolation method(s) used.

Kriging Routine

Figure No.: A-1

Site Name: Former Hexcel Facility, Lodi, NJ

### Contour Map Reporting Form

|    | e Name: Former Hexcel Facility, Lodi, NJ oject No.: 94039   | Figure No.: A-2<br>Water levels taken on 1/<br>Page 1 of 1 | 23/96               |
|----|---|--|---------------------|
| 1. | Did any surveyed well casing elevations change from the previous If yes, attach new "Well Certification -Form B" and identify the re change (damage to casing, installation of recovery system in monit | ason for the elevation                                     | □Yes<br><b>⊠</b> No |
| 2. | Are there any monitor wells in unconfined aquifers in which the whigher than the top of the well screen?  If yes, identify these wells.   | ater table elevation is                                    | □Yes<br>□No         |
|    | Not applicable because confined aquifer.  |  |                     |
| 3. | Are there any monitor wells present at the site but omitted from the Unless the omission of the well(s) has been previously approved by the omissions.  | •  | □Yes<br><b>☑</b> No |
| 4. | Are there any monitor wells containing separate phase product duri  | ng this measuring event?                                   | □Yes<br><b>☑</b> No |
|    | Were any of the monitor wells with separate phase product include contour map?  | ed in the ground water                                     | ¬Vec                |
|    | If yes show the formula used to correct the water table elevation.  |  | □Yes<br><b>☑</b> No |
| 5. | Has the ground water flow direction changed more than 45 degrees ground water contour map?  | s from the previous  | □Yes                |
|    | If yes, discuss the reasons for the change.   |  | MNo                 |
| 6. | Has ground water mounding and/or depressions been identified in contour map?  | the ground water   | □Yes                |
|    | Unless the ground water mounds and/or depressions are caused by remediation system, discuss the reasons for this occurrence.  | the ground water   | ₩No                 |
| 7. | Are all the wells used in the contour map screened in the same war If no, justify inclusion of those wells.   | ter-bearing zone?  | ¥Yes<br>□No         |
| 8. | Were the ground water contours  computer generated, □ computer aided, or □ hand-drawn?  If computer aided or generated, identify the interpolation method(s   | s) used.   |                     |
|    | Kriging method.   |  |                     |

**Client:** Hexcel Corporation **Project:** ISRA Case No. 86009

Location: Former Hexcel Facility, Lodi, NJ Drilling Contractor: Zebra Environmental Corp.

Inspector: RMS, SKT Surface Elev: 28.9' NGVD Boring No.: <u>SB-1</u> Page 1 of 2

File No.: 94039 T13

Date Started: 12/27/95
Date Completed: 12/27/95

| S | ample    | Blows | Depth | Soil | Soil Description   |
|---|----------|-------|-------|------|--|
|   | Recovery | /12"* |       | Type | -  |
|   |          |       | 0     |      | 0 - 1.5": Black Asphalt. 1.5" - 3.6": Black medium GRAVEL, some Silt, trace fine Sand. |
| 1 | 3.8'     |       |       | FILL | 3.6" - 3.8': Orange-Brown medium to fine SAND; occasional Black Cinders.               |
|   |          |       | 5     |      | 4.0' - 5.5': Same as above.  |
| 2 | 4'       |       |       | SP   | 5.5' - 8.0': Gray-Brown medium (+) to fine SAND, trace medium to fine Gravel.          |
|   |          |       |       |      | 8.0' - 9.0': Same as above.  |
| 3 | 4'       |       | 10    | ł    | 9.0' - 12.0': Gray SILT.   |
| 4 | 2'       |       |       | SP   | 12' - 14': Gray-Brown medium (+) to fine SAND, trace medium to fine Gravel.            |
| 5 | 2'       |       | 15    |      | 14' - 16': Same as above.  |

Boring Method: Geoprobe

Sampler Type: 0' - 16' Macro Core Sampler (2" in diameter by 44" long)

16' - 20' Large Bore Sampler (1" in diameter by 24" long)

Sample Recovered

No Recovery

Water level after drilling

\* Blow counts cannot be measured with Geoprobe.

Project: Hexcel

Location: Former Hexcel Facility, Lodi, NJ

Boring No.: SB-1

Page\_2 of 2

File No.: 94039 T13

| S   | ample    | Blows | De | oth  | Soil | Soil Description  |
|-----|----------|-------|----|------|------|---|
| No. | Recovery | /12"* | Œ  | eet) | Type | •   |
|     |          |       |    | 15   | SP   |   |
|     | 0'       |       | /  |      |      | 16' - 18': No Recovery.   |
| 6   | 1.5'     |       |    |      | ٨    | 18' - 19.5': Brown-Gray medium (+) to fine SAND, trace medium to fine Gravel. |
|     |          |       |    | 20   | _/\_ | Boring terminated.  |
|     |          |       |    |      |      |   |
|     |          |       |    |      |      |   |
|     |          |       |    | 25   | ,    |   |
|     |          |       |    |      |      |   |
|     |          |       |    |      |      |   |
|     |          | :     |    |      |      |   |
|     |          |       |    | 30   |      |   |
|     | :        |       |    |      |      |   |
|     |          |       |    |      |      |   |
|     |          |       |    | 35   |      |   |

Project Name: HEXCEL 2613571-0 Casing -Permit ≠: 13.5ft/15ft Length: Case Number: C3-536A 7/26/88 Date: Diameter: 8in/4in S. Bozza Logged by: 6.86ft Depth to Water: steel/pvc Type: J.E. Fritts Drilling Co.: Surface Elevation: 29.03ft Screen -5ft W. Lipscomb L'ength: Driller: MW-1 Mobile 80 Diameter: 4in Rig: Mud Rotary Slot Size: 10 Method: Depth Blow Counts Description 0.5 - 23,5,3 0-0.5 Asphalt 0.5-8.0 2-4 8,3,6,8 Sand and Gravel fill redbrown to brown 4-6 4,5,8, fine, silty 6-8 9,9,19, 14 8-10 10,15, 8.0-11.5 Sand and Gravel 9,7 brown to grey 10-12 8,11,19 well rounded ,12 11.5-13.0 Clay 13.5light gray, silty 10,6,5 15 13.0-18.0 Sand and Gravel 15-17 9,7,9, gray to white, sorted subrounded 18-20 18.0-20.0 7,4,3, Silt, redbrown 20-22 6,3,2, 20.0-22.0 Clay, brown to redbrown silty 882650021

| •                | •          |            |             | HERIT       | AGE REMEDIATION 5656 OPPORTU | JNITY DRIVE  | RING, INC.  | PAG              | E NO10                                       | F          |
|------------------|------------|------------|-------------|-------------|------------------------------|--------------|-------------|------------------|--|------------|
| ΝC               | ). GI      | 0027       | 7           |             | TOLEDO, OHIO<br>(419) 478-4  |              |             | BOR              | EHOLE NO. M                                  | W-26       |
|                  |            |            | KGEL        |             | (113) 110                    |              | LODI, NJ    |                  | " " <u>"                                </u> |            |
| <u>}</u> —       |            |            |             | TES CORP.   |                              | <del> </del> | QUIPMENT-   |                  | ,,   |            |
| 10               | GFOL       | OGIS       | T- ROBE     | RT BECKWI   |                              | <del></del>  | RICHARD H   | EAD              |  |            |
| ] 5              | START      | /T1        | 1E<br>12-11 | DATE FINISH | /TIME<br>12-11-90            | SURFACE -    | -           | TO               | TAL DEPTH- 1                                 | ე,         |
| <u> C</u>        | ASING      | <u>-</u> Р | VG.         | SCREEN TYP  | PE-PVG LENGTH- 2'            |              |             |                  | 0.010"                                       |            |
|                  |            |            | GROUND W    | ATER        |                              |              | SAMPLIN     | G EQUIPM         | ENT  |            |
| Ę_               |            | TIN        | 1E          | DEPTH       | Y/EATHER                     |              | CASING      | CORE             | SAMPLER                                      | TUBE       |
| ;<br><u>r</u>    |            |            |             |             |                              | TYPE         |             |                  |  |            |
|                  |            |            |             |             |                              | DIAMETER     |             |                  |  |            |
|                  |            |            |             |             |                              | HAMMER WT    |             |                  |  |            |
| <br><del> </del> |            |            |             |             | <u> </u>                     | FALL HT.     |             | <u> </u>         |  |            |
| <u>;=</u>        | RKS        |            |             | T           |                              |              |             |                  |  |            |
| H                | SAMI<br>NO |            | SPT BLOW    | RECOVERY    |                              | BOREHOL      |             |                  | <del></del>                                  |            |
| -                | 110        |            |             |             | LITHO                        | OGRAPHIC D   | ESCRIPTION  |                  | REMA   | RKS        |
| \                |            |            |             |             |                              |              |             |                  |  |            |
|                  |            |            |             |             | SURFACE - CON                | GRETE        |             |                  |  |            |
| Ì-               |            |            |             |             | DEBDIELL BROWN               | N CUTV CAN   | 10          |                  | 8 114 1 5                                    | 1165       |
| :                | Ì          | 1          |             | :           | REDDISH-BROWI                | N SILIY BAN  | 10          | <b>8</b> 1/4 1.D | . HGA  |            |
| į                |            |            |             |             |                              |              |             |                  |  |            |
| ļ                |            |            |             |             |                              |              |             |                  |  |            |
|                  |            |            |             |             |                              |              |             |                  |  |            |
| }                |            |            |             |             |                              |              |             |                  | -  |            |
| ľ                |            |            |             |             | REDDISH-BROWI                | N SILTY SAN  | ID WITH GRA | AVEL             | REFUSAL                                      | . 4" THICK |
| ,                | ]          |            |             |             |                              |              | ,           |                  |  |            |
| Ĭ<br>{           |            |            |             |             |                              |              |             |                  | į  |            |
| ł,               |            |            |             |             |                              |              |             |                  |  |            |
| 1                | ]          |            | i           |             |                              |              |             |                  |  |            |
|                  |            |            |             |             |                              |              |             |                  |  |            |
| ĺ                |            |            |             |             |                              |              |             | •                |  |            |
| <b>¹</b>         |            |            |             |             |                              | •            |             |                  |  |            |
| 1                |            |            |             |             | SAME AS ABOVE                | - SATURA     | TED         |                  |  |            |
| [ ا              |            |            |             |             |                              |              |             |                  |  |            |
| ]                |            |            |             |             |                              |              |             |                  |  |            |
|                  |            |            |             |             |                              |              |             |                  |  |            |
| <u>Ĺ</u>         |            |            |             |             |                              |              |             |                  |  |            |
| 1                |            |            |             |             |                              |              |             |                  |  |            |
| ال               |            |            |             |             | RED SANDSTON                 | E COBBLES    | , GRAVEL    |                  | REFUSAL                                      | AT 14 5'   |
| 7                | 115        |            |             |             | CONCRETE                     |              |             |                  | nerusal                                      | . H. IH.   |

#### HERITAGE REMEDIATION/ENGINEERING, INC. 5656 OPPORTUNITY DRIVE TOLEDO, OHIO 43612

PAGE NO. 2 OF 2

TOLEDO, OHIO 43612
NO. 60027
(419) 478-4396
BOREHOLE NO. MW-26

| Ξ | CAMPLE | SPT BLOW |          | BOREHOLE LOG                            |             |
|---|--------|----------|----------|---|-------------|
| н | NO.    | COUNT/6" | RECOVERY | LITHOGRAPHIC DESCRIPTION                | REMARKS     |
|   |        |          |          |   |             |
|   |        |          |          |   |             |
|   |        |          |          | CONCRETE                                |             |
|   |        |          |          |   |             |
|   |        |          |          | REDDISH-BROWN, SILTY SAND               |             |
|   |        |          |          |   |             |
|   |        |          |          | 500                                     |             |
|   |        |          |          | EOB                                     |             |
|   |        |          |          | 6" OUTER STEEL CASING GROUTED INTO      |             |
|   |        |          |          | CONCRETE REFUSAL AT 15'                 |             |
|   |        |          |          | 2" I.D. PVG WELL WITH 2' 0.010" SLOTTED |             |
|   |        |          |          | SCREEN                                  |             |
|   |        |          |          |   |             |
|   |        |          |          | ·                                       |             |
|   |        |          |          |   |             |
|   |        |          |          |   |             |
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|   |        |          |          |   |             |
|   |        |          |          |   |             |
|   |        |          |          |   | 882650023   |
|   | I      | I        | t        | 1                                       | 1 002030023 |

| HEAD HEAD                | HERITAGE REMED      | IATION/ENGINEERING,  | INC. Well # MW-26  |
|--------------------------|---------------------|--|--|
| lling Method AIR ROTARY  |                     | PORTUNITY DRIVE  | Boring #   |
| rogeologist BOB BECKWITH |                     | ), 0810 43612<br>9) 4784396  | Date: 12-11-90   |
| -                        |                     | ompletion Log  | Job # 60027  |
| ent: HEXGEL GORP.        | 1 1011 0            | 011151001011209  |  |
| ation: LODI, NEW JERSEY  |                     |  |  |
| l                        |                     |  |  |
|                          |                     |  |  |
|                          |                     |  |  |
| **<br>*                  |                     |  |  |
| ,                        |                     |  |  |
| τ<br>:                   |                     | Flush Mount Well Cove<br>(Bolt Down)   | r  |
| Concrete                 |                     | TOC Elevation  | 29.26  |
| round Surface            |                     |  | 28.88  |
|                          |                     |  |  |
|                          |                     |  |  |
| •                        |                     |  |  |
| ;                        |                     | T T T T T T T T T T T T T T T T T T T  | II Material Within   |
| į                        |                     |  | uter Casing Bentonite Slurry uter Fill Material Bentonite Slurry |
|                          |                     |  | •  |
|                          |                     | Die  | pth of Outer Casing 15'  |
|                          |                     |  |  |
| ,                        |                     |  |  |
|                          |                     |  |  |
|                          |                     |  | 471  |
| <b>i</b> ,               |                     | Riser  | Length   |
|                          |                     |  |  |
| 1                        | ر <u>نطيني</u><br>م | A service of the serv |  |
|                          | 異量                  |  | ,  |
| )                        |                     |  | A D 14'  |
| <b>i</b> .               |                     | Depti  | n to Bentonite Seal14'   |
|                          |                     |  |  |
| <b>i</b> ,               |                     |  | 16'  |
|                          |                     | Dep  | th to Sand16'  |
| 1                        |                     |  |  |
| •                        |                     |  |  |
| 1                        |                     | Scr  | een Length <u>2'</u>   |
| <b>i</b> ,               |                     |  | , <u> </u>   |
|                          |                     |  | epth of Well   |
|                          | ويدي                |  | ameter of Well2"   |

TABLE 3: SUMMARY OF MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS

FOR FEBRUARY 1996 Former Hexcel Facility Lodi, New Jersey GEO Engineering

April 1996

File: 94039/wldata/Monthly.xls Entered by: SG Check: RMS

-All measurements in feet -All elevations in feet (NGVD)-

**MEASUREMENTS COLLECTED: 2/21/96** 

| Well ID | Туре    | Depth to | I     | Product | Product   | Depth to | Elevation | Water     |  |
|---------|---------|----------|-------|---------|-----------|----------|-----------|-----------|--|
|         | 1       | Water    | DNAPL | LNAPL   | Thickness | Bottom   | Top of    | Elevation | Comments   |
|         |         |          |       |         |           | <br>     | Casing    |           |  |
| CW-7    | shallow | 5.19     |       |         |           | 14.00    | 26.13     | 20.94     |  |
| CW-12   | shallow | 5.54     |       |         |           | 13.96    | 25.71     | 20.17     | Product on probe (DNAPL)**                       |
| CW-16   | shallow | 5.71     |       |         |           | 13.93    | 26.45     | 20.74     | Product on probe (DNAPL)**                       |
| MW-6    | shallow | 9.60     |       |         |           | 18.31    | 30.74     | 21.14     | Product on probe (DNAPL)**                       |
| MW-8    | shallow | 9.32     |       |         |           | 17.38    | 30.26     | 20.94     | Product on probe (DNAPL)**                       |
| MW-17   | shallow | 8.42     |       |         |           | 14.09    | 31.44     | 23.02     |  |
| MW-26   | (a)     | 8.36     |       |         |           | 17.91    | 28.85     | 20.49     |  |
| RW6-1   | shallow | 3.26     |       |         |           | 13.74    | 28.84     | 25.58     | Product on probe (DNAPL)**                       |
| RW7-1   | shallow | 5.19     |       |         |           | 16.66    | 26.25     | 21.06     | Product on probe (DNAPL)**; brown floc on probe  |
| RW7-4   | shallow | 6.06     |       |         | ~-        | 19.08    | 27.11     | 21.05     | Product on probe (DNAPL)**; brown floc on probe  |
| RW15-1  | shallow | 6.20     |       |         |           | 14.92    | 29.95     | 23.75     |  |
| P-2     | shallow | 6.34 *   |       | 6.33    | 0.09      | 11.52    | 30.06     | 23.72     | Product on probe (LNAPL)**; measured DTW is 6.42 |
| PB-2    | shallow |          |       |         |           |          | 21.25     | 21.25     | Measurements not taken due to probe malfunction  |

NOTES: All Measurements of depths are from the top of casing unless otherwise noted.

- -- Not detected by product interface meter.
- \* In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) (Product thickness \* specific gravity). Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).
- \*\* Though the product-interface meter did not register presence of product in the well, product was observed on the probe when the probe was taken out.
- (a) Refer to Section 1a of the April 1996 Progress Report for details on MW-26 construction.

  Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

882650026

TABLE 4: SUMMARY OF MONTHLY WATER LEVEL/PRODUCT THICKNESS MEASUREMENTS

FOR MARCH 1996

Former Hexcel Facility Lodi, New Jersey

GEO Engineering

April 1996

File: 94039/wldata/Monthly.xls Entered by: SG Check: RMS

-All measurements in feet -All elevations in feet (NGVD)-

**MEASUREMENTS COLLECTED: 3/14/96** 

| Well ID | Туре    | Depth to<br>Water | Depth to   | Product<br>LNAPL | Product<br>Thickness | Depth to<br>Bottom | Elevation Top of Casing | Water<br>Elevation | Comments                                      |
|---------|---------|-------------------|------------|------------------|----------------------|--------------------|-------------------------|--------------------|---|
| CW-7    | shallow | 6.43              |            |                  |                      | 14.01              | 26.13                   | 19.70              |   |
| CW-12   | shallow | 6.83              |            |                  |                      | 13.99              | 25.71                   | 18.88              | Product on probe (DNAPL)**                    |
| CW-16   | shallow | 6.80              |            |                  |                      | 13.93              | 26.45                   | 19.65              | Product on probe (DNAPL)**                    |
| MW-6    | shallow | 9.52              |            | , <del></del>    |                      | 18.35              | 30.74                   | 21.22              | Product on probe (DNAPL)**                    |
| MW-8    | shallow | 11.00             |            |                  |                      | 17.36              | 30.26                   | 19.26              | Product on probe (DNAPL)**                    |
| MW-17   | shallow | 8.41              | - <b>-</b> |                  |                      | 14.04              | 31.44                   | 23.03              |   |
| RW6-1   | shallow | 2.82              |            |                  |                      | 13.75              | 28.84                   | 26.02              | Product on probe (DNAPL)**                    |
| RW7-1   | shallow | 5.57              | <b>-</b> - |                  |                      | 16.66              | 26.25                   | 20.68              | Product on probe (DNAPL)**                    |
| RW7-4   | shallow | 6.34              |            |                  | - <del>-</del>       | 19.14              | 27.11                   | 20.77              | Product on probe (DNAPL)**                    |
| PB-2    | shallow | 1.90              | 5.40       |                  | 0.44                 | 5.84               | 21.25                   | 19.35              | Product on probe (DNAPL)**; sediment on probe |

NOTES:

- All Measurements of depths are from the top of casing unless otherwise noted.
- -- Not detected by product interface meter.
- \* In wells with LNAPL, water levels are corrected using the equation: DTW (corrected) = DTW (measured) (Product thickness \* specific gravity). Specific gravity of 0.88 used for water level correction (petroleum lubricating oil).
- \*\* Though the product-interface meter did not register presence of product in the well, product was observed on the probe when the probe was taken out.

  Many of the wells have accumulated sediment which results in slight fluctuations in the measurements of depth to bottom.

### New Jersey Department of Environmental Protection and Energy Water Supply Element — Bureau of Water Allocation

#### WELL ABANDONMENT REPORT

| MAIL TO:  | WELL PERMIT # 26 - 29/46 of well sealed  |
|---|--|
| Bureau of Water Allocation  | DATE WELL SEALED 3-29-96   |
| CN 426<br>Trenton, NJ 08625-0426  |  |
|   |  |
| PROPERTY OWNER Fine Organic   | is Corp  |
| ADDRESS 205 Main St   | t. Ladi  |
| WELL LOCATION 205 Man 5th Street & No. Township, County   | B 814 West 740-05'-05.0" North 400-521-5.  |
| MW-32 L104  | B 814 West 740-05'-05.0" North 400-521-5.  |
| Well No., Lot & Block No., Long   | gitude & Latitude (N.J. Grid # may be substituted for longitude & latitude)  |
| TYPE OF WELL ABANDONED: Plans to  | pring  |
| REASON FOR ABANDONMENT: Damas   | nged   |
| WAS A NEW WELL DRILLED? YES   | NO PERMIT # OF NEW WELL: MA  |
| DIAMETER CASING LENGTH SCREEN LENGTH NUMBER OF CASINGS  MATERIAL USED TO SEAL WELL:  24 Gallons of Water Lbs. of Cement Lbs. of Bentonite Lbs. of Sand/Gravel (none if well is contaminated)  FORMATION:  Consolidated Unconsolidated | Cross-section of sealed well braw a sketch showing distance and relations of well site to nearest roads, buildings, otc.    The color of the color o |
| must be removed. Pressure grouting is the o   | only accepted method.  |
| WAS CASING LEFT IN PLACE? 🔀 YES 🔲   | NO CASING MATERIAL: Sch 40 PVC   |
| WERE OTHER OBSTRUCTIONS REMOVED?  | YES NO WHAT WERE THE OBSTRUCTIONS: Non @   |
| I certify that this well was sealed in accordance   | ce with N.J.A.C. 7:9 9.1 ct seq.   |
| M. Elize   A Komos. 15K   5   Name of Person Doing Sealing Work (Print or Type)   | 1 2420 V 2420  |
| _   | Signature of Person Doing Sealing Work License #   |
| COPIES: White - Water Allocation  | Yellow - Owner Pink - Health Dept. Goldonrod - Drillor   |

882650027

TABLE 5: SUMMARY OF PRODUCT COLLECTION (DNAPL)

Former Hexcel Facility Lodi, New Jersey

GEO Engineering

April 1996

File: 94039\prodcoll\prodcol2.xls

Sheet: First QD'96 (DEP)

#### All Quantities are Expressed in Gallons Rounded to the Nearest 0.1

| DATE                       | MW-6    | MW-8    | MW-26   | RW6-1   | RW7-1       | RW7-4   | RW7-5                                 | CW-12   | CW-16   | PB-2    | CW-15   | TOTAL VOLUME |
|----------------------------|---------|---------|---------|---------|-------------|---------|---------------------------------------|---------|---------|---------|---------|--------------|
|                            | (DNAPL) | (DNAPL) | (DNAPL) | (DNAPL) | (DNAPL)     | (DNAPL) | (DNAPL)                               | (DNAPL) | (DNAPL) | (DNAPL) | (DNAPL) | RECOVERED    |
| 1/4/96                     |         | *       | *       | *       | *           | *       | *                                     | *       | *       | 0.1     | *       |              |
| 1/17/96                    |         | *       | *       | *       | *           | *       | *                                     | *       | *       | NA      | *       |              |
| 1/23/96 (Qrtrly)           |         |         |         |         |             |         |                                       |         |         |         | *       |              |
| 2/2/96                     | 0.6     | *       | *       | *       | *           | *       | *                                     | *       | *       | NA      | *       |              |
| 2/13/96                    |         | *       | *       | *       | *           | *       | *                                     | *       | *       | NA      | *       |              |
| 2/21/96 (Monthly)          |         |         | *       |         |             |         | *                                     |         |         | NA      | *       |              |
| 2/29/96                    |         | *       | *       | *       | *           | *       | *                                     | *       | *       | 0.2     | *       |              |
| 3/14/96 (Monthly)          |         |         | *       |         | <del></del> |         | *                                     |         |         | 0.1     | *       |              |
| 3/19/26                    |         | *       | *       | *       | *           | *       | *                                     | *       | *       | 0.1     | *       |              |
| 3/26/96                    |         | *       | *       | *       | *           | *       | *                                     | *       | *       | 0.2     | *       |              |
|                            |         |         | •       |         |             |         |                                       |         |         |         |         | ₩            |
| TOTAL VOLUME               |         |         |         |         |             |         |                                       |         |         |         |         |              |
| RECOVERED,                 | 0.6     |         |         |         |             |         |                                       |         |         | 0.7     |         | 1.3          |
| 1st QUARTER, 1996          |         |         |         |         |             |         |                                       |         |         |         |         |              |
| TOTAL VOLUME<br>RECOVERED, | 4.2     |         |         |         | 0.1         |         |                                       |         | 0.1     | 1.1     | 0.1     | 5.6          |
| 4th QUARTER 1995           | 4.2     |         | _       |         | 0.1         |         |                                       |         | 0.1     | 1.1     | 0.1     | 3.0          |
| TOTAL VOLUME               |         |         |         |         |             |         | · · · · · · · · · · · · · · · · · · · |         |         |         |         |              |
| RECOVERED,                 | 7.3     | 1.0     | 0.4     | 0.1     | 0.2         |         |                                       | 0.7     | 0.3     | 1.3     | 0.7     | 12.0         |
| 10/94 - 9/95               |         |         |         |         | =           |         |                                       |         |         |         |         |              |
| TOTAL VOLUME               | 12.1    | 1.0     | 0.4     | 0.1     | 0.3         |         |                                       | 0.7     | 0.4     | 3.1     | 0.8     | 18.9         |
| RECOVERED                  |         | *       |         |         |             |         |                                       | <b></b> |         |         | 0.0     | 1000         |
| (TOTAL SINCE 10/94)        |         |         |         | }       |             |         |                                       |         |         |         |         |              |

Notes:

For product recovery purposes, quantities greater than 0.1 gallons (approx. 1 cup) are considered to be "measurable". It is not practicable to separate product from mixture of water and product when quantity is less than 1 cup.

- \* Well not included in the weekly product recovery program.
  - i) Well was monitored and did not indicate recoverable product or ii) no measurable amount of product was recovered either by bailing or pumping.
- NA Water in the basement was too high to recover product from PB-2 safely.

Weekly product recovery was not performed for the second week of January and the first week of March due to inclement weather.

TABLE 6: SUMMARY OF PRODUCT COLLECTION (LNAPL)

Former Hexcel Facility Lodi, New Jersey GEO Engineering

April 1996

File: 94039\prodcoll\prodcol2.xls

Sheet: First QL'96 (DEP)

All Quantities are Expressed in Gallons Rounded to the Nearest 0.1

| DATE   | MW-6<br>(LNAPL) | MW-8<br>(LNAPL) | MW-23<br>(LNAPL) | RW1-1<br>(LNAPL) | RW 6-1<br>(LNAPL) | RW7-4<br>(LNAPL) | RW7-5<br>(LNAPL) | CW-7<br>(LNAPL) | CW-12<br>(LNAPL) | CW-15<br>(LNAPL) | CW-16<br>(LNAPL) | MW-17<br>(LNAPL) | RW 15-1<br>(LNAPL) | TOTAL VOLUME<br>RECOVERED |
|--|-----------------|-----------------|------------------|------------------|-------------------|------------------|------------------|-----------------|------------------|------------------|------------------|------------------|--------------------|---------------------------|
| 1/4/96   | *               | *               | *                | *                | *                 | *                | *                | *               | *                | *                | *                | *                | *                  |                           |
| 1/17/96  | *               | *               | *                | *                | *                 | *                | *                | *               | *                | *                | *                | *                | *                  |                           |
| 1/23/96 (Qrtrly)                                 | ~-              |                 | NA               |                  |                   |                  |                  | NA              |                  | *                |                  |                  |                    |                           |
| 2/2/96   | *               | *               | *                | *                | *                 | *                | *                | *               | *                | *                | *                | *                | *                  |                           |
| 2/13/96  | *               | *               | *                | *                | *                 | *                | *                | *               | *                | *                | *                | *                | *                  |                           |
| 2/21/96 (Monthly)                                |                 | <b>-</b> -      | *                | *                |                   |                  | *                | ~-              |                  | *                |                  |                  |                    | .]                        |
| 2/29/96  | *               | *               | *                | *                | *                 | *                | *                | *               | *                | *                | *                | *                | *                  |                           |
| 3/14/96 (Monthly)                                |                 |                 | *                | *                |                   |                  | *                |                 |                  | *                |                  |                  | *                  |                           |
| 3/19/26  | *               | *               | *                | *                | *                 | *                | *                | *               | *                | *                | *                | *                | *                  | }                         |
| 3/26/96  | *               | *               | *                | *                | *                 | *                | *                | *               | *                | *                | *                | *                | *                  |                           |
|  |                 |                 |                  |                  |                   |                  |                  |                 |                  |                  |                  |                  |                    | V                         |
| TOTAL VOLUME<br>RECOVERED,<br>1st QUARTER, 1996  | <b></b> ·       | 1               |                  |                  |                   |                  | <del>-</del> -   |                 |                  |                  | ~-<br>!          |                  |                    |                           |
| TOTAL VOLUME<br>RECOVERED,<br>4th QUARTER 1995   | 0.4             |                 |                  |                  |                   |                  |                  |                 |                  |                  | <u></u>          |                  |                    | 0.4                       |
| TOTAL VOLUME<br>RECOVERED,<br>10/94 - 9/95       | 6.3             |                 |                  |                  |                   |                  |                  | 0.8             |                  |                  |                  |                  |                    | 7.1                       |
| TOTAL VOLUME<br>RECOVERED<br>(TOTAL SINCE 10/94) | 6.7             |                 |                  |                  |                   |                  |                  | 0.8             | <u></u>          |                  |                  |                  |                    | 7.5                       |

Notes:

For product recovery purposes, quantities greater than 0.1 gallons (approx. 1 cup) are considered to be "measurable". It is not practicable to separate product from mixture of water and product when quantity is less than 1 cup.

- \* Well not included in the weekly product recovery.
- i) Monitoring did not indicate recoverable product or ii) no measurable amount of LNAPL was recovered in the absorbent pad.
- NA Well not accessible due to snow-cover.

Weekly product recovery was not performed for the second week of January and the first week of March due to inclement weather.

#### Appendix F

The following table summarizes all disposal documentation for the first quarter of 1996. Copies of manifests are included.

| Date Accepted at Disposal Facility (unless indicated otherwise) | State Manifest<br>Document Number | Quantity       | Comments      |
|---|-----------------------------------|----------------|---------------|
| 2/15/96   | NJA 2275188                       | 2,711 gallons. | Treated Water |
| 2/29/96   | NJA 2213953                       | 1,200 gallons. | Treated Water |



# State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

| UNIFORM HAZARDOUS WASTE MANIFEST   | 1. Generator's US El   | PA ID No.33 emist of a second       | Manifest<br>Document N   | o:                                       | niioiti   |  | e shaded area<br>by Federal law |
|--|--|---|--|--|---|--|---------------------------------|
| 3. Generator's Name and Mailing Address  | अधिक विश्व   | <u>51 81 41 11 31</u>   | AL IIII  | A. St                                    | ite Manifest Doc  | ument Num  | ber                             |
| HEXCEL CORPORATION   | ha   |   | en e   |  | NJA   |  |                                 |
| 205 MAIN STREET (660)433   | -50720   | en de la companya de<br>La companya de la co  | 1981 1981 1981 I   |  | ite Ganerator's I   | AND THE RESERVE OF THE PARTY OF | 1.00                            |
| r-r-deficiation's rationed   | 976 EMERCENC   | AERIONALID  | Number 110.  |  | LO OF SHEET ST  |  | 03097                           |
| ROLLING FALLI BONDE  | Ces No INCN  | 50 05 31  | 188236   |  | Tie/IT - YayDecah   | ATOMOGRAPHO M.   | 7377                            |
| Transporter 2 Company Name   | 8.   | US EPA ID   | Number   | 235.73.481                               | nsporter's Phon   | W. J 15 154 5 7  | 1673/                           |
| Designated Facility Name and Site Address  | 10.  | US EPA ID   | Number   |  | te Tyans IDINUI   | ******   | Talkach T                       |
| rolling environmental serv   | and the state of t | 4,74.75   | र विकासिता संस्थान २००४<br>१   |  | nsporter's Phon   |  | <u> 1 50 t E T</u>              |
| IT. 322 & 1-295  |  |   |  | G⊳Sta                                    | te Pacility's IDe   | k yansça   |                                 |
| ERIDGEPORT, NJ 08014   | <del></del>  | r h lo 15   3   2   |  | o H. Fac                                 | ility a Phone (   | 109 46   | 7-9100                          |
| US DOT Description (Including Proper Ship) ID-Number and Packin  | oing Name, Hazard Class<br>g Group)  | or Division,  | No.  | Type                                     | Total<br>Quantity   | Unit<br>Wt/Vol   | Waste No.                       |
| to agree an adjurge of the end of the article of the contract of   |  |   | ***  | 7,750                                    | Guaritity   | 125  | nds II                          |
| X RQ, HAZARDOUS WASTE  |  |   | 82,  |  |   | G"   | 15(150                          |
| PGIII (D021, D022, D0  | 47 , DU39 , DU40)  | Bay A Shippin   | 0_0_   | 1 7 7                                    | 411   | 4  | [ C   O   5                     |
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| 5. Special Handling Instructions and Additional  | Information  | 2 (1981) •  |  |  |   |  |                                 |
| ERG#131 per 12 p | District Committee Committee   | 4   |  |  |   |  |                                 |
| amenter e en e  | an dan garaga kan garaga dan dalam dan   | Market Committee      |  |  |   | delje vet<br>Lange del   | , \$ s                          |
| 6: GENERATOR'S CERTIFICATION: I hereby classified, packed, marked, and labeled, ar   | declare that the contents  | of this consignment   | are fully and accu   | rately desc                              | ribed above by:p  | roper shippi   | ng name and a                   |
| novernment regulations.  | at have a program in pla   |   |  | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 八九 二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十二十                     | 6育工時   |                                 |
| economically practicable and that I have sele  | cted the practicable meth  | od of treatment, sto  | råge, or disposal c  | urrently ava                             | ailable to me whi   | ch minimizes   | s the present a                 |
| future threat to human health and the environ<br>the best waste management method that is  |  |   | I have made a go   | od faith effo                            | rt to minimize my   | waste gene   | eration and sele                |
| Printed/Typed Name   | n nga palakan di   | Signature   | M  | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 |   | Moi  | nth Day Ye                      |
| 7. Transporter 1 Acknowledgement of Receipt  |  |   |  | /******                                  |   |  | 4/13/                           |
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#### State of New Jersey Department of Environmental Protection Hazardous Waste Regulation Program Manifest Section CN 421, Trenton, NJ 08625-0421

882650032

Form Approved. OMB No. 2050-0039. Expires 9-30-96 Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.) 1. Generator's US EPA ID No. Manifest UNIFORM HAZARDOUS Information in the shaded areas Pocument No. WASTE MANIFEST is not required by Federal law. MJD 9 8 6 5 8 4 1 3 Generator's Name and Mailing Address State Manifest Document Number HEXCEL CORPORATION 205 MAIN STREET B. State Generator's ID-(Gen. Site Address) LODI ILI 07644 600 433-5072 EMERGENCY RESPONSE PHONE NO C. State Trans. ID-NJOEPE Transporter 1 Company Name JOO17/6121917 Decal No Transacto Transporter 2 Company Name D. Transporter's Phone ( E. State Trans. ID-NJDEPE Designated Facility Name and Site Address US EPA ID Number Decal No.-ROLLINS ENVIRONMENTAL SERVICES (NJ) INC. F. Transporter's Phone ( RT. 322 & I-295 G. State Facility's ID BRIDGEFORT. NJ 08014 H J D 0 5 3 3 8 8 7 3 9 H Facility's Phone ( 609) 467-3100 12. Containers 13. 11. US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group) Unit Total Waste No. Quantity RQ, HAZARDOUS WASTE LIQUID, N.O.S., 9, WAJOSZ, X PGLII (D021.D022.D027.D039.D040) 0 0 1 77 dADCb. C. d. J. Additional Descriptions for Materials Listed Above K. Handling Codes for Wastes Listed Above L.E. VATUR TREATMENT LIQUID 15. Special Handling Instructions and Additional Information E2C# 31 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; QR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford Month Day Year 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year Transporter 2 Acknowledgement of Deceipt of Materials Printed/Typed Name Signature Month Day Year 19. Discrepancy Indication Space Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name Month Day Signature SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

## TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES Former Hexcel Facility Lodi, New Jersey



April 1996

|   |          |          |          |   |                       | 1996                     |   |          |           | _              |          |                     |
|---|----------|----------|----------|---|-----------------------|--------------------------|---|----------|-----------|----------------|----------|---------------------|
| TASK DESCRIPTION                          | 1        | 2        | 3        | 4 | 5                     | 6                        | . 7                                     | 8        | 9         | 10             | 11       | 12                  |
| GROUND WATER REMEDIATION                  |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| DNAPL/LNAPL recovery (temporary)          |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Recover water from basement Bldg. 1       |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Obtain permits                            |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| PVSC (for discharge to sewer)             |          |          | V 2      |   |                       |                          |   |          |           |                |          |                     |
| Air (for pilot test)                      |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Conduct testing                           |          |          |          |   | prints and the record | - William Mariner        |   |          |           | _              |          |                     |
| Conduct hydraulic testing                 |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Pilot test of recovery system             |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Test ground water off-site                | ļ        |          | ļ<br>    |   |                       | <u> </u>                 | ļ                                       |          |           |                |          |                     |
| Obtain off-site access or data *          | <u> </u> |          |          |   |                       | District Manager Control | 601000000000000000000000000000000000000 |          |           |                |          |                     |
| Modify design of ground water recov. sys. |          |          |          |   |                       | 110                      |   |          |           |                |          |                     |
| Prep. design proposal for recov. sys.     | <u> </u> | <u> </u> |          |   |                       |                          | <u> </u>                                |          |           | 3.78c2.88a.2cc |          |                     |
| NJDEP review of design proposal           |          |          | <u> </u> |   |                       | <b></b>                  |   |          | ļ         |                |          | AND 100 (0) (1) (1) |
| Install permanent recovery system         |          |          |          |   |                       | ļ                        | ļ <u></u> -                             |          |           |                |          |                     |
| Operate and maintain recovery system      |          |          |          |   |                       | ļ                        |   |          |           |                |          |                     |
| Evaluate need for DNAPL barrier           |          | <u> </u> |          |   |                       | <u> </u>                 | <u> </u>                                |          |           | <u> </u>       |          |                     |
| Install deep well in vicinity of MW-1     |          |          |          |   |                       |                          |   |          | ļ         |                |          |                     |
| CLEANING OF SEWER LINE                    |          |          |          |   |                       |                          |   | :        |           |                |          |                     |
| Cleanout/abandonment of sewer line        |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Collect samples (and lab. analysis)       |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Disposal of sludge/debris                 | <u> </u> |          |          |   |                       |                          |   |          |           |                |          |                     |
| SOIL REMEDIATION. "                       |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Soil investigation                        |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Prepare soil investigation rpt./work plan |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| NJDEP review of work plan                 |          |          | ļ        |   |                       | ļ                        |   | ļ        | ļ .       |                |          |                     |
| Conduct pilot test (incl. lab. analysis)  |          |          | <u> </u> |   |                       | ļ                        |   |          | ļ         | ļ              | Ĺ        |                     |
| Design air sparging/vapor ext. system     |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Obtain permits                            |          |          | ļ        | ļ | <u> </u>              |                          |   |          |           |                | <u> </u> |                     |
| Install soil remediation system           | <u> </u> |          |          |   | ļ                     | ļ                        | <u> </u>                                | <u> </u> | ļ         | <u> </u>       |          |                     |
| Operate and maintain system               |          |          | <u> </u> |   |                       |                          |   | <u> </u> | <b></b> _ |                |          | ļ                   |
| SEDIMENT SAMPLING                         |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Collect samples (and lab. analysis) *     |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| REPORTING                                 |          |          |          | : |                       |                          |   |          |           |                |          |                     |
| Prepare quarterly progress reports        |          |          |          |   |                       |                          |   |          | [         |                |          |                     |
| Prepare report of sediment sampling *     |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| Prepare final report                      |          |          |          |   |                       |                          |   |          |           |                |          |                     |
| NJDEP review and site inspection          |          |          |          |   | }                     |                          |   | {        |           |                |          |                     |
| Case closure                              |          |          |          |   |                       |                          |   |          |           |                |          |                     |

<sup>\*</sup> Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

## TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES Former Hexcel Facility Lodi, New Jersey



April 1996

File: 94039\sched4.xls

1997

|   |          |          |          |          |          | 1997     |          |   |   |           |          |    |
|---|----------|----------|----------|----------|----------|----------|----------|---|---|-----------|----------|----|
| TASK DESCRIPTION                          | 1        | 2        | 3        | 4        | 5        | 6        | 7        | 8 | 9 | 10        | 11       | 12 |
| GROUND WATER REMEDIATION                  |          |          |          |          |          |          | -        |   |   |           |          |    |
| DNAPL/LNAPL recovery (temporary)          |          |          |          |          |          | <u> </u> |          |   |   |           |          |    |
| Recover water from basement Bldg. 1       |          |          |          |          |          |          |          |   |   |           |          |    |
| Obtain permits                            |          |          |          |          |          |          |          |   |   |           |          |    |
| PVSC (for discharge to sewer)             |          |          |          |          |          |          |          |   |   |           |          |    |
| Air (for pilot test)                      |          |          |          |          |          |          |          |   |   |           |          |    |
| Conduct testing                           |          |          |          |          |          |          |          |   |   |           |          |    |
| Conduct hydraulic testing                 |          |          |          |          |          |          |          |   |   |           |          |    |
| Pilot test of recovery system             |          |          |          |          |          |          |          |   |   |           |          |    |
| Test ground water off-site                |          |          |          |          |          |          |          |   |   |           |          |    |
| Obtain off-site access or data *          |          |          |          |          |          |          |          |   |   |           |          |    |
| Modify design of ground water recov. sys. |          |          |          |          |          |          |          |   |   |           |          |    |
| Prep. design proposal for recov. sys.     |          |          |          |          |          |          |          |   |   |           |          |    |
| NJDEP review of design proposal           |          |          |          |          |          |          |          |   |   |           |          |    |
| Install permanent recovery system         |          |          |          |          |          |          |          |   |   |           |          |    |
| Operate and maintain recovery system      |          |          |          |          |          |          |          |   |   |           |          |    |
| Evaluate need for DNAPL barrier           |          |          |          |          |          |          |          |   |   |           |          |    |
| Install deep well in vicinity of MW-1     |          |          |          |          |          |          |          |   |   |           |          |    |
| CLEANING OF SEWER LINE                    |          |          |          |          |          |          |          |   |   | , <u></u> |          |    |
| Cleanout/abandonment of sewer line        |          |          |          |          |          |          |          |   |   |           |          |    |
| Collect samples (and lab. analysis)       |          |          |          |          |          |          |          |   |   |           |          |    |
| Disposal of sludge/debris                 |          |          |          |          |          |          |          |   |   |           |          |    |
| SOIL REMEDIATION *                        |          |          |          |          |          |          |          |   |   |           |          |    |
| Soil investigation                        |          |          |          |          |          |          |          |   |   |           |          |    |
| Prepare soil investigation rpt./work plan |          |          | <u> </u> |          |          |          |          |   |   |           |          |    |
| NJDEP review of work plan                 |          |          | <u> </u> |          | <u> </u> |          |          |   |   |           |          | ļ  |
| Conduct pilot test (incl. lab. analysis)  |          | <u> </u> |          |          |          |          |          |   |   |           |          |    |
| Design air sparging/vapor ext. system     |          | _        |          |          |          | ļ        |          |   |   | ļ         |          |    |
| Obtain permits                            |          |          |          | <u> </u> |          |          |          | · | ļ | ļ         | <u> </u> |    |
| Install soil remediation system           |          | ļ        |          |          |          | ļ        |          |   |   |           | <u> </u> |    |
| Operate and maintain system               |          |          |          |          |          | <u> </u> | <b>-</b> |   |   |           |          | ļ  |
| SEDIMENT SAMPLING                         |          |          |          |          |          |          |          |   |   |           |          | }  |
| Collect samples (and lab. analysis) *     | <u> </u> |          |          | <u> </u> | L        | <u> </u> |          |   |   |           |          |    |
| REPORTING                                 |          |          |          |          |          |          |          |   |   |           |          |    |
| Prepare quarterly progress reports        |          |          |          |          |          |          |          |   |   |           |          |    |
| Prepare report of sediment sampling *     |          |          |          |          |          |          |          |   |   |           |          |    |
| Prepare final report                      |          |          |          |          |          |          |          |   |   |           |          |    |
| NJDEP review and site inspection          |          |          |          |          |          |          |          |   |   |           |          |    |
| Case closure                              |          |          |          |          |          |          |          |   |   |           |          |    |

<sup>\*</sup> Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

#### TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES Former Hexcel Facility Lodi, New Jersey



April 1996

|   | 1998 |     |          |          |          |              |  |          |          |          |          |          |
|---|------|-----|----------|----------|----------|--------------|--|----------|----------|----------|----------|----------|
| TASK DESCRIPTION                          | 1    | 2   | 3        | 4        | 5        | 6            | 7  | 8        | 9        | 10       | 11       | 12       |
| GROUND WATER REMEDIATION                  |      |     |          |          |          |              |  |          |          |          |          |          |
| DNAPL/LNAPL recovery (temporary)          |      |     |          |          |          |              |  |          |          |          |          |          |
| Recover water from basement Bldg. 1       |      |     |          |          |          |              |  |          |          |          |          | L        |
| Obtain permits                            |      |     |          |          |          |              |  |          |          |          |          |          |
| PVSC (for discharge to sewer)             |      |     |          |          |          |              |  |          |          |          |          |          |
| Air (for pilot test)                      |      |     |          |          |          |              |  |          |          |          |          |          |
| Conduct testing                           |      |     |          |          |          |              |  |          |          |          |          |          |
| Conduct hydraulic testing                 |      |     | <u> </u> |          |          |              |  |          |          |          |          |          |
| Pilot test of recovery system             |      |     |          |          |          |              |  |          |          |          |          |          |
| Test ground water off-site                |      |     |          |          |          |              |  |          |          |          |          |          |
| Obtain off-site access or data *          |      | ļ., |          |          |          |              |  |          |          |          |          |          |
| Modify design of ground water recov. sys. |      |     | ļ        |          |          |              |  |          |          |          |          |          |
| Prep. design proposal for recov. sys.     |      |     |          |          |          |              |  |          |          |          |          |          |
| NJDEP review of design proposal           |      |     | <u> </u> |          |          |              |  |          |          |          |          |          |
| Install permanent recovery system         |      |     |          |          |          |              |  |          |          |          |          |          |
| Operate and maintain recovery system      |      |     |          |          | 4.4      | 3            |  |          |          |          |          |          |
| Evaluate need for DNAPL barrier           |      |     | <u> </u> |          |          |              | <u></u>  |          |          |          |          |          |
| Install deep well in vicinity of MW-1     |      |     |          |          |          | lacksquare   |  |          |          |          | <u> </u> |          |
| CLEANING OF SEWER LINE.                   |      |     |          |          |          |              |  |          |          |          |          |          |
| Cleanout/abandonment of sewer line        |      |     |          |          |          |              |  |          |          |          |          |          |
| Collect samples (and lab. analysis)       |      |     |          |          |          |              | 11.2   |          |          |          |          |          |
| Disposal of sludge/debris                 |      |     |          |          |          |              |  |          |          |          |          |          |
| SOIL REMEDIATION                          |      |     |          |          |          |              |  |          |          |          |          |          |
| Soil investigation                        |      |     |          |          |          |              |  |          |          |          |          | <u> </u> |
| Prepare soil investigation rpt./work plan |      |     |          |          |          |              |  |          |          |          |          |          |
| NJDEP review of work plan                 |      |     | ļ        |          |          |              | ļ  | <u> </u> |          | L        |          | Ĺ        |
| Conduct pilot test (incl. lab. analysis)  |      | ļ   |          |          |          | <u> </u>     | <u> </u>   |          |          | <u> </u> |          | L        |
| Design air sparging/vapor ext. system     |      | ļ   |          |          | <u> </u> |              | <del> </del>                                     | <u> </u> |          | <u> </u> |          | <u> </u> |
| Obtain permits                            |      |     |          | <u> </u> | ļ        | <del> </del> | <b></b>  |          | <u> </u> | <u> </u> | <u> </u> |          |
| Install soil remediation system           |      |     | ļ        |          | ├──      | <u> </u>     | <del>                                     </del> |          | ļ        |          | <u> </u> |          |
| Operate and maintain system               |      |     |          |          | <u> </u> | <del> </del> | <b>├</b>   | <u> </u> |          |          |          |          |
| SEDIMENT SAMPLING                         |      |     |          |          |          |              |  |          |          |          |          |          |
| Collect samples (and lab. analysis) *     |      | ļ   |          |          | <u></u>  | <u> </u>     | <b></b>  | <u> </u> |          |          |          |          |
| REPORTING                                 |      |     |          |          |          |              |  |          |          |          |          |          |
| Prepare quarterly progress reports        | 186  |     |          | 100      |          |              | ¥  |          |          |          |          |          |
| Prepare report of sediment sampling *     |      |     |          |          |          |              |  |          |          |          |          |          |
| Prepare final report                      |      |     |          |          |          |              |  |          |          |          |          |          |
| NJDEP review and site inspection          |      |     |          |          |          |              |  |          |          |          |          |          |
| Case closure                              |      |     | T        |          |          |              |  |          |          |          |          |          |

<sup>\*</sup> Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

#### TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES Former Hexcel Facility Lodi, New Jersey



April 1996

|   | 1999     |      |   |   |          |          |     |   |          |          |         |  |
|---|----------|------|---|---|----------|----------|-----|---|----------|----------|---------|--|
| TASK DESCRIPTION                          | 1        | 2    | 3 | 4 | 5        | 6        | 7   | 8 | 9        | 10       | 11      | 12   |
| GROUND WATER REMEDIATION                  |          |      | - |   |          |          |     |   |          |          |         |  |
| DNAPL/LNAPL recovery (temporary)          |          |      |   |   |          | ļ        |     |   |          |          |         |  |
| Recover water from basement Bldg. 1       |          |      |   |   |          |          |     |   |          |          |         |  |
| Obtain permits                            |          |      |   |   |          | <u> </u> |     |   |          |          |         |  |
| PVSC (for discharge to sewer)             |          |      |   |   |          |          |     |   |          |          |         |  |
| Air (for pilot test)                      |          |      | - |   |          |          |     |   |          |          |         |  |
| Conduct testing                           |          |      |   |   |          |          |     |   |          |          |         |  |
| Conduct hydraulic testing                 | <u> </u> |      |   |   |          |          |     |   |          |          |         |  |
| Pilot test of recovery system             |          |      |   |   |          |          |     |   |          |          |         |  |
| Test ground water off-site                |          |      |   |   | <u> </u> |          |     | • |          |          |         |  |
| Obtain off-site access or data *          |          |      |   |   |          |          |     |   |          |          |         |  |
| Modify design of ground water recov. sys. |          |      |   |   |          |          |     |   |          |          |         | 1  |
| Prep. design proposal for recov. sys.     |          |      |   |   |          |          |     |   |          |          |         | <del>                                     </del> |
| NJDEP review of design proposal           |          |      |   |   |          |          |     |   |          |          |         |  |
| Install permanent recovery system         |          |      |   |   | İ        |          |     |   |          |          |         |  |
| Operate and maintain recovery system      | 337      | 11.5 |   |   | 1000     |          | 100 |   |          |          |         | 3 1  |
| Evaluate need for DNAPL barrier           |          |      |   |   |          |          |     |   |          |          |         |  |
| Install deep well in vicinity of MW-1     |          |      |   |   |          |          |     |   |          |          |         |  |
| CLEANING OF SEWER LINE                    |          |      |   |   |          |          |     |   |          |          |         |  |
| Cleanout/abandonment of sewer line        |          |      |   |   |          |          |     |   |          |          |         |  |
| Collect samples (and lab. analysis)       |          |      |   |   |          |          |     |   |          | -        |         |  |
| Disposal of sludge/debris                 |          |      |   |   |          |          |     |   |          |          |         |  |
| SOIL REMEDIATION *                        |          |      |   |   |          |          |     | _ |          |          |         |  |
| Soil investigation                        |          |      |   |   |          |          |     |   |          |          |         |  |
| Prepare soil investigation rpt./work plan |          |      |   |   |          |          |     |   |          |          |         |  |
| NJDEP review of work plan                 |          |      |   |   |          |          |     |   |          |          |         |  |
| Conduct pilot test (incl. lab. analysis)  |          |      |   |   |          |          |     |   |          |          |         | <u> </u>   |
| Design air sparging/vapor ext. system     | <u> </u> |      |   |   |          |          |     |   | ļ        |          |         |  |
| Obtain permits                            | ļ        |      | ļ |   |          | ļ        |     |   | <u> </u> | <u> </u> |         |  |
| Install soil remediation system           |          |      |   |   |          |          |     |   |          | <u> </u> |         |  |
| Operate and maintain system               |          |      |   |   |          | ļ        |     |   |          |          | <u></u> |  |
| SEDIMENT SAMPLING                         |          |      |   |   |          |          |     |   |          |          |         |  |
| Collect samples (and lab. analysis) *     |          |      |   |   | ļ        | <u> </u> |     |   |          |          |         |  |
| REPORTING                                 |          |      | : |   |          |          |     |   |          |          |         |  |
| Prepare quarterly progress reports        |          |      |   |   |          |          | 100 |   |          |          |         |  |
| Prepare report of sediment sampling *     |          |      |   |   |          |          |     |   |          |          |         |  |
| Prepare final report                      |          |      |   |   |          |          |     |   |          |          |         |  |
| NJDEP review and site inspection          |          |      |   |   |          |          |     |   |          |          |         |  |
| Case closure                              |          |      |   |   |          |          |     |   |          |          |         |  |

<sup>\*</sup> Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.

#### TABLE 7. ESTIMATED SCHEDULE OF REMAINING REMEDIAL ACTIVITIES Former Hexcel Facility Lodi, New Jersey



April 1996

|   | 2000 |          |   |   |   |   |   |   |          |    |    |    |
|---|------|----------|---|---|---|---|---|---|----------|----|----|----|
| TASK DESCRIPTION                          | 1    | 2        | 3 | 4 | 5 | 6 | 7 | 8 | 9        | 10 | 11 | 12 |
| GROUND WATER REMEDIATION                  |      |          |   |   |   |   |   |   |          |    |    |    |
| DNAPL/LNAPL recovery (temporary)          |      |          |   |   |   |   |   |   |          |    |    | -  |
| Recover water from basement Bldg. 1       |      |          |   |   |   |   |   |   |          |    |    |    |
| Obtain permits                            |      |          |   |   |   |   |   |   |          |    |    |    |
| PVSC (for discharge to sewer)             |      |          |   |   |   |   |   |   |          |    |    |    |
| Air (for pilot test)                      |      |          |   |   |   |   |   |   |          |    |    |    |
| Conduct testing                           |      |          |   |   |   |   |   |   |          |    |    |    |
| Conduct hydraulic testing                 |      |          |   |   |   |   |   |   |          |    |    |    |
| Pilot test of recovery system             |      |          |   |   |   |   |   |   |          |    |    |    |
| Test ground water off-site                |      |          |   |   |   |   |   |   |          |    |    |    |
| Obtain off-site access or data *          |      | i        |   |   |   |   |   |   |          |    |    |    |
| Modify design of ground water recov. sys. |      |          |   |   |   |   |   |   |          |    |    |    |
| Prep. design proposal for recov. sys.     |      |          |   |   |   |   |   |   |          |    |    |    |
| NJDEP review of design proposal           |      |          |   |   |   |   |   |   |          |    |    |    |
| Install permanent recovery system         |      |          |   |   |   |   |   |   |          |    |    |    |
| Operate and maintain recovery system      |      |          |   |   |   |   |   |   |          |    |    |    |
| Evaluate need for DNAPL barrier           |      |          |   |   |   |   |   |   |          |    |    |    |
| Install deep well in vicinity of MW-1     |      |          |   |   |   |   |   |   |          |    |    |    |
| CLEANING OF SEWER LINE                    |      |          |   |   |   |   |   |   |          |    |    |    |
| Cleanout/abandonment of sewer line        |      |          |   |   |   |   |   |   |          |    |    |    |
| Collect samples (and lab. analysis)       |      |          |   |   |   |   |   |   |          |    |    |    |
| Disposal of sludge/debris                 |      |          |   |   |   |   |   |   |          |    |    |    |
| SOIL REMEDIATION *                        |      |          |   |   |   |   |   |   |          |    |    |    |
| Soil investigation                        |      |          |   |   |   |   |   |   |          |    |    |    |
| Prepare soil investigation rpt./work plan |      |          |   |   |   |   |   |   |          |    |    |    |
| NJDEP review of work plan                 |      |          |   |   |   |   |   |   |          |    |    |    |
| Conduct pilot test (incl. lab. analysis)  |      |          |   |   |   |   |   |   |          |    |    |    |
| Design air sparging/vapor ext. system     |      |          |   |   | - |   |   |   |          |    |    |    |
| Obtain permits                            |      |          |   |   |   |   |   |   | <u> </u> |    |    |    |
| Install soil remediation system           |      | ļ        |   |   |   |   |   |   |          |    |    |    |
| Operate and maintain system               |      |          |   |   |   |   |   | ļ |          | ļ  |    |    |
| SEDIMENT SAMPLING                         |      |          |   |   |   |   | L |   |          |    |    |    |
| Collect samples (and lab. analysis) *     |      | <u> </u> |   |   |   |   |   |   |          |    |    |    |
| REPORTING                                 |      |          |   |   |   |   |   |   |          |    |    |    |
| Prepare quarterly progress reports        |      |          |   |   |   |   |   |   |          |    |    |    |
| Prepare report of sediment sampling *     |      |          |   |   |   |   |   |   |          |    |    |    |
| Prepare final report                      |      |          |   |   |   |   |   |   |          |    |    |    |
| NJDEP review and site inspection          |      |          |   |   |   |   |   |   |          |    |    |    |
| Case closure                              |      |          |   |   |   |   |   |   |          |    |    |    |

<sup>\*</sup> Due to Napp explosion, obtaining monitoring well data south of site, soil investigation, and sediment sampling are being held in abeyance pending receipt of results from Napp.